

**HOTEL & RESTAURANT
MANAGEMENT
SYSTEM
(TR.EAT)**

CERTIFICATE FROM COMPANY

Maharashtra Education Society's



INSTITUTE OF MANAGEMENT AND CAREER COURSES (IMCC)

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CERTIFICATE

This is to certify that the Project Report entitled “**HOTEL & RESTAURANT MANAGEMENT SYSTEM (TR.EAT)**” is prepared by **ESHAAN PRASANNA ABHYANKAR**, a student of **M.C.A.** Course for the Academic Year 2019-20 at M.E. Society's Institute of Management & Career Courses (IMCC), Pune - 411 038. M.C.A Course is affiliated to Savitribai Phule Pune University.

To the best of our knowledge, this is original study done by the said student and important sources used by him have been duly acknowledged in this report.

The report is submitted in partial fulfilment of M.C.A. Course for the Academic Year 2019-20 as per the rules & prescribed guidelines of Savitribai Phule Pune University.

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I thank my project guide **Prof. Jayshree Patil** (Internal guide) and **Mr. Nikhil Asarkar** (External guide) for their valuable guidance and support which made me complete the project duly. I owe my deep gratitude to **Jayshree ma'am**, who took a keen interest in my project work and guided me all along the completion of my project by providing the necessary information for developing a good system.

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- **Eshaan Abhyankar**

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1.1 COMPANY PROFILE

Cummins in India, a power leader, is a group of complementary business units that design, manufacture, distribute and service engines and related technologies, including fuel systems, air handling, filtration, emission solutions and electrical power generation systems. Cummins in India is a Group of eight legal entities, collectively operating 21 manufacturing facilities and 200 locations in the country.

Those eight entities (including three joint ventures) are:

Cummins India Limited

Cummins Technologies India Pvt. Limited

Cummins Generator Technologies India Pvt. Limited

Tata Cummins Pvt. Limited

Fleetguard Filters Pvt. Limited

Valvoline Cummins Pvt. Limited

Cummins Sales and Services Pvt. Limited

Cummins Research and Technology India Pvt. Ltd.

Cummins Technologies India Pvt. Ltd. was formed in 2008. The entity encompasses eight divisions - Cummins Turbo Technologies, Cummins Emission Solutions, Cummins Business Services, Cummins Fuel Systems India, Cummins Technical Center India, Phaltan Engine Plant, Global Analytics Center (GAC), and Supply Chain Operations (SCO).

Cummins Business Services is headquartered in Nashville, Tennessee, USA. The entity handles shared services like payroll, travel and customer care around the world, including India.

Operational Excellence

Operational Excellence is a division of Cummins Business Services which drives the automation for all the business units in Cummins; namely – IT, Finance, Travel, HR. As the main goal of operation excellence is to save human efforts with increased efficiency, minimal errors and cost-effective solutions.

Our Vision

Innovating for our customers to power their success

Our Mission

Making people's lives better by powering a more prosperous world

Cummins is a value-based organization. Our core values are:

1. INTEGRITY

Doing what you say you will do and doing what is right

2. DIVERSITY & INCLUSION

Valuing and including our differences in decision making
is our competitive advantage

3. CARING

Demonstrating awareness and consideration for the
wellbeing of others

4. EXCELLENCE

Always delivering superior results

5. TEAMWORK

Collaborating across teams, functions, businesses and
borders to deliver the best work

1.2 EXISTING SYSTEM AND NEED FOR **SYSTEM**

Hotel Management involves maintaining various operations of the hotel like Booking or reservations of the rooms, Cancellation of the rooms, Cash billing, Room service, Restaurant service, Restaurant billing, Total billing, etc. The existing system is a manual one and there are a lot of issues like erroneous data, slow process, lack of security etc. Finding out the final payment amount completely relies on the hotel manager and if he is absent, it takes a long time to find out the details during check out and is prone to errors.

Drawbacks of the Existing System

- Manual entry consumes more time.
- It is difficult to maintain bulk of record in manual.
- Restrictions in the users.
- Not easy to prepare the daily reports.
- Lack of accuracy and error prone.

- Overall efficiency is less.
- Lot of paperwork.
- Non-secure.
- No perfect maintenance of report.
- No method to trace details
- Human errors
- The manual system is too slow. Searching is more time consuming.

Following are the objectives and highlights of the proposed system

- Secure data
- Faster process
- Error Free
- Better management
- Save a lot of manpower
- Can easily make the daily reports
- Elimination of Paperwork.
- High reliability and security.

- Fast and economical.

1.3 SCOPE OF WORK

The Hotel & Restaurant Management System will permit online reservation of hotels and maintaining hotel information and generating various reports of reservation at various stages. The main users of the project are Customer, Hotel Owner, and system Administrator. From an end-user perspective, the System Project consists of three functional elements: an enhanced Customer module for search hotels, view details, select hotel, make reservation, view reservation. Hotel Owner Module to register the hotel details and administration module for managing hotel details and view the reports.

End – to – end solution for online hotel and restaurant booking process:

- Adding hotel details
- Adding restaurant details

- User/Customer can opt for only restaurant or both Hotel and restaurant. If the User/Customer books a hotel, He / She would have to choose the restaurant of the booked hotel only. However, the User/Customer can browse through different restaurants and even book different restaurants, but they'll have to pay money according to restaurant prices.
- Viewing customer details
- Compare hotels according to specifications.
- Search and select hotel room (along with room types)
- Calculate price (based on selection of services and amenities)
- View availability
- Bills payment (based on selection of services and amenities used and no. of days stayed)
- Administrator can view reports
- Provides complete web-based solution, including search and view the hotel details, make new reservation, view reservation details, compare hotels.

- All hotels are categorized by country and provide powerful hotel search facilities; search can be done by using city, hotel type, room type. (Sorting)
- System should be able to send email after confirmation of booking.
- The administrator would be having super control over the entire system keeping the system centralized resulting in non-duplicity of data and reliable as well as efficient data.
- User would be able to give a feedback after checking out of the hotel
- Users can view information and reviews of various hotels given by other customers while comparing hotels.

1.4 OPERATION ENVIRONMENT - HARDWARE AND SOFTWARE

Hardware Specification: -

Processor	: Pentium IV
Clock Speed	: 2 GHz
RAM	: 512 MB
Hard disk Capacity	: 80 GB
Keyboard	: 101 Keys
Mouse	: Optical Mouse

Software Specification: -

Front End	: ASP.NET
Back End	: MySQL
Operating System	: Windows XP or above

1.5 DETAILED DESCRIPTION OF TECHNOLOGY USED

FRONT END & IT'S FEATURES

INTRODUCTION TO .NET FRAMEWORK

The .NET Framework is a new computing platform that simplifies application development in the highly distributed environment of the Internet. The .NET Framework is designed to fulfill the following objectives:

To provide a consistent object-oriented programming environment whether object code is stored and executed locally, executed locally but Internet-distributed, or executed remotely.

To provide a code-execution environment that minimizes software deployment and versioning conflicts.

To provide a code-execution environment that guarantees safe execution of code, including code created by an unknown or semi-trusted third party.

To provide a code-execution environment that eliminates the performance problems of scripted or interpreted environments.

To make the developer experience consistent across widely varying types of applications, such as Windows-based applications and Web-based applications.

To build all communication on industry standards to ensure that code based on the .NET Framework can integrate with any other code.

The .NET Framework has two main components:

- The common language runtime and
- The .NET Framework class library.

FEATURES

The primary goal of .NET is to provide developers with the means to create interoperable applications using “Web Services” from any sort of terminal, be it a PC, Mobile phone, etc.

ASP.NET is an open-source server-side web application framework designed for web development to produce pages developed by Microsoft to allow programmers to build dynamic web sites, web applications and web services.

It was first released in January 2002 with version 1.0 of the .NET Framework, and is the successor to Microsoft's Active Server Pages (ASP) technology. ASP.NET is built on the Common Language Runtime (CLR), allowing programmers to write ASP.NET code using any supported .NET language. The ASP.NET SOAP extension framework allows ASP.NET components to process SOAP messages.

ASP.NET is a web development platform, which provides a programming model, a comprehensive software infrastructure

and various services required to build up robust web applications for PC, as well as mobile devices.

ASP.NET works on top of the HTTP protocol, and uses the HTTP commands and policies to set a browser-to-server bilateral communication and cooperation.

ASP.NET is a part of Microsoft .Net platform. ASP.NET applications are compiled codes, written using the extensible and reusable components or objects present in .Net framework. These codes can use the entire hierarchy of classes in .Net framework.

The ASP.NET application codes can be written in any of the following languages:

- C#
- Visual Basic.Net
- Jscript
- J#

ASP.NET is used to produce interactive, data-driven web applications over the internet. It consists of a large number of

controls such as text boxes, buttons, and labels for assembling, configuring, and manipulating code to create HTML pages.

ASP.NET Web Forms Model

ASP.NET web forms extend the event-driven model of interaction to the web applications. The browser submits a web form to the web server and the server returns a full markup page or HTML page in response.

All client-side user activities are forwarded to the server for stateful processing. The server processes the output of the client actions and triggers the reactions.

Now, HTTP is a stateless protocol. ASP.NET framework helps in storing the information regarding the state of the application, which consists of:

- Page state
- Session state

The page state is the state of the client, i.e., the content of various input fields in the web form. The session state is the collective information obtained from various pages the user

visited and worked with, i.e., the overall session state. To clear the concept, let us take an example of a shopping cart.

User adds items to a shopping cart. Items are selected from a page, say the items page, and the total collected items and price are shown on a different page, say the cart page. Only HTTP cannot keep track of all the information coming from various pages. ASP.NET session state and server-side infrastructure keep track of the information collected globally over a session.

The ASP.NET runtime carries the page state to and from the server across page requests while generating ASP.NET runtime codes, and incorporates the state of the server-side components in hidden fields.

BACK END & IT'S FEATURES

My SQL is an open-source relational database management system (RDBMS). Its name is a combination of "My", the name of co-founder Michael Widenius's daughter, and "SQL", the abbreviation for Structured Query Language.

MySQL is free and open-source software under the terms of the GNU General Public License, and is also available under a variety of proprietary licenses. MySQL was owned and sponsored by the Swedish company MySQL AB, which was bought by Sun Microsystems (now Oracle Corporation). In 2010, when Oracle acquired Sun, Widenius forked the open-source MySQL project to create MariaDB.

MySQL is a component of the LAMP web application software stack (and others), which is an acronym for Linux, Apache, MySQL, Perl/PHP/Python. MySQL is used by many database-driven web applications, including Drupal, Joomla, phpBB, and WordPress. MySQL is also used by many popular websites, including Facebook, Flickr, MediaWiki, Twitter, and YouTube.

MySQL is written in C and C++. Its SQL parser is written in yacc, but it uses a home-brewed lexical analyzer. MySQL works on many system platforms, including AIX, BSDi, FreeBSD, HP-UX, eComStation, i5/OS, IRIX, Linux, macOS, Microsoft Windows, NetBSD, Novell NetWare, OpenBSD, OpenSolaris, OS/2 Warp, QNX, Oracle Solaris, Symbian, SunOS, SCO OpenServer, SCO UnixWare, Sanos and Tru64. A port of MySQL to OpenVMS also exists.

The MySQL server software itself and the client libraries use dual-licensing distribution. They are offered under GPL version 2, or a proprietary license.

Support can be obtained from the official manual. Free support additionally is available in different IRC channels and forums. Oracle offers paid support via its MySQL Enterprise products. They differ in the scope of services and in price. Additionally, a number of third party organisations exist to provide support and services, including MariaDB and Percona.

MySQL has received positive reviews, and reviewers noticed it "performs extremely well in the average case" and that the "developer interfaces are there, and the documentation (not to mention feedback in the real world via Web sites and the like) is very, very good". It has also been tested to be a "fast, stable and true multi-user, multi-threaded sql database server".

MySQL was created by a Swedish company, MySQL AB, founded by David Axmark, Allan Larsson and Michael "Monty" Widenius. Original development of MySQL by Widenius and Axmark began in 1994. The first version of MySQL appeared on 23 May 1995. It was initially created for personal usage from mSQL based on the low-level language ISAM, which the creators considered too slow and inflexible. They created a new SQL interface, while keeping the same API as mSQL. By keeping the API consistent with the mSQL system, many developers were able to use MySQL instead of the (proprietary licensed) mSQL antecedent.

FEATURES

MySQL is offered under two different editions: the open source MySQL Community Server and the proprietary Enterprise Server. MySQL Enterprise Server is differentiated by a series of proprietary extensions which install as server plugins, but otherwise shares the version numbering system and is built from the same code base.

Major features as available in MySQL 5.6:

- A broad subset of ANSI SQL 99, as well as extensions
- Cross-platform support
- Stored procedures, using a procedural language that closely adheres to SQL/PSM
- Triggers
- Cursors
- Updatable views
- Online Data Definition Language (DDL) when using the InnoDB Storage Engine.
- Information schema

- Performance Schema that collects and aggregates statistics about server execution and query performance for monitoring purposes.
- A set of SQL Mode options to control runtime behaviour, including a strict mode to better adhere to SQL standards.
- X/Open XA distributed transaction processing (DTP) support; two phase commit as part of this, using the default InnoDB storage engine
- Transactions with save points when using the default InnoDB Storage Engine. The NDB Cluster Storage Engine also supports transactions.
- ACID compliance when using InnoDB and NDB Cluster Storage Engines^[78]
- SSL support
- Query caching
- Sub-SELECTs (i.e. nested SELECTs)
- Built-in replication support
 - Asynchronous replication: master-slave from one master to many slaves or many masters to one slave

- Semi synchronous replication: Master to slave replication where the master waits on replication
- Synchronous replication: Multi-master replication is provided in MySQL Cluster
- Virtual Synchronous: Self managed groups of MySQL servers with multi master support can be done using: Galera Cluster or the built in Group Replication plugin
- Full-text indexing and searching
- Embedded database library
- Unicode support
- Partitioned tables with pruning of partitions in optimizer
- Shared-nothing clustering through MySQL Cluster
- Multiple storage engines, allowing one to choose the one that is most effective for each table in the application.
- Native storage engines InnoDB, MyISAM, Merge, Memory (heap), Federated, Archive, CSV, Blackhole, NDB Cluster.
- Commit grouping, gathering multiple transactions from multiple connections together to increase the number of commits per second.

The developers release minor updates of the MySQL Server approximately every two months. The sources can be obtained from MySQL's website or from MySQL's [GitHub](#) repository, both under the GPL license.

2.1 PROPOSED SYSTEM

- In the existing system, a lot of time is spent in communicating the information across different branches. There is a need for an integrated and automated system which has some centralized control over the entire process.
- Conventional system makes huge amount of paper for recording transactions.
- The existing system is maintained manually.

Disadvantages of the existing system –

- Time consuming
 - Paperwork
 - Inaccuracy because of manual work.
 - Updating hassles.
-
- Proposed system provides easy and quick access to various parameters involving data.

- The new system would digitally store hotel details only after verifying the authenticity of the hotel and the restaurant.
- The system would enable users to compare various hotels and its associated services.
- Functions like searching hotels, choosing which amenities to include, choosing room type, etc. would be accessible to the user.
- The admin would have super control over the entire system keeping the system centralized.
- On checking out, the system would generate the bill and generate a report for the hotel sales staff.

Advantages –

- Storing customer details accurately.
- Availability
- Amenities
- Data accuracy, etc.

- Primary goal of this system is automation of the existing system and enhancement in security of the system.
- ADMIN:
 - Admin can view registered users, payment details, feedback, manage hotels and restaurants.
 - Admin can add, update, delete hotel and restaurants such as:
 - Add hotel
 - Update hotel
 - Delete hotel
 - Add restaurant
 - Update restaurant
 - Delete restaurant
- USER:
 - User can:
 - Register
 - Browse hotel/restaurant
 - Compare hotels
 - Give feedback
 - Choose rooms to their liking (If available)

- Log in using username and password
- View history of past transactions, etc.

➤ **BILLING:**

- Generates various bill reports for financial analysis of the website.

➤ **REPORTS:**

- The transactions, bookings, etc. are updated to the database and a report is generated which can be viewed by the user.

2.2 OBJECTIVE OF THE SYSTEM

This project is primarily aimed at developing a system to maintain day-to-day state of admission and vacation of customers, restaurant handling, bills generation, report generation in an automated and secured environment.

Primary objectives:

- Hotel details (Add, update, Delete)
- Restaurant details (Add, Update, Delete)
- Comparison of hotels
- Search hotel room as per liking (If available)
- Tariffs (Add, Update)
- Availability of room, amenities.
- Feedback
- Rooms (Availability and type)
- Registration
- Reports

- Bill reports
- Keeping details about the users, taking necessary actions based on customer feedback and payment details, etc.

Conclusion:

The proposed system will keep track of customers, accounts and generation of report regarding the status of rooms.

Objective: (Gist)

To provide solution to manage the work of the system using automated, computerized, and secured process.

Advantages:

- No redundancy
- No paperwork
- Time and cost efficient
- Validation of data

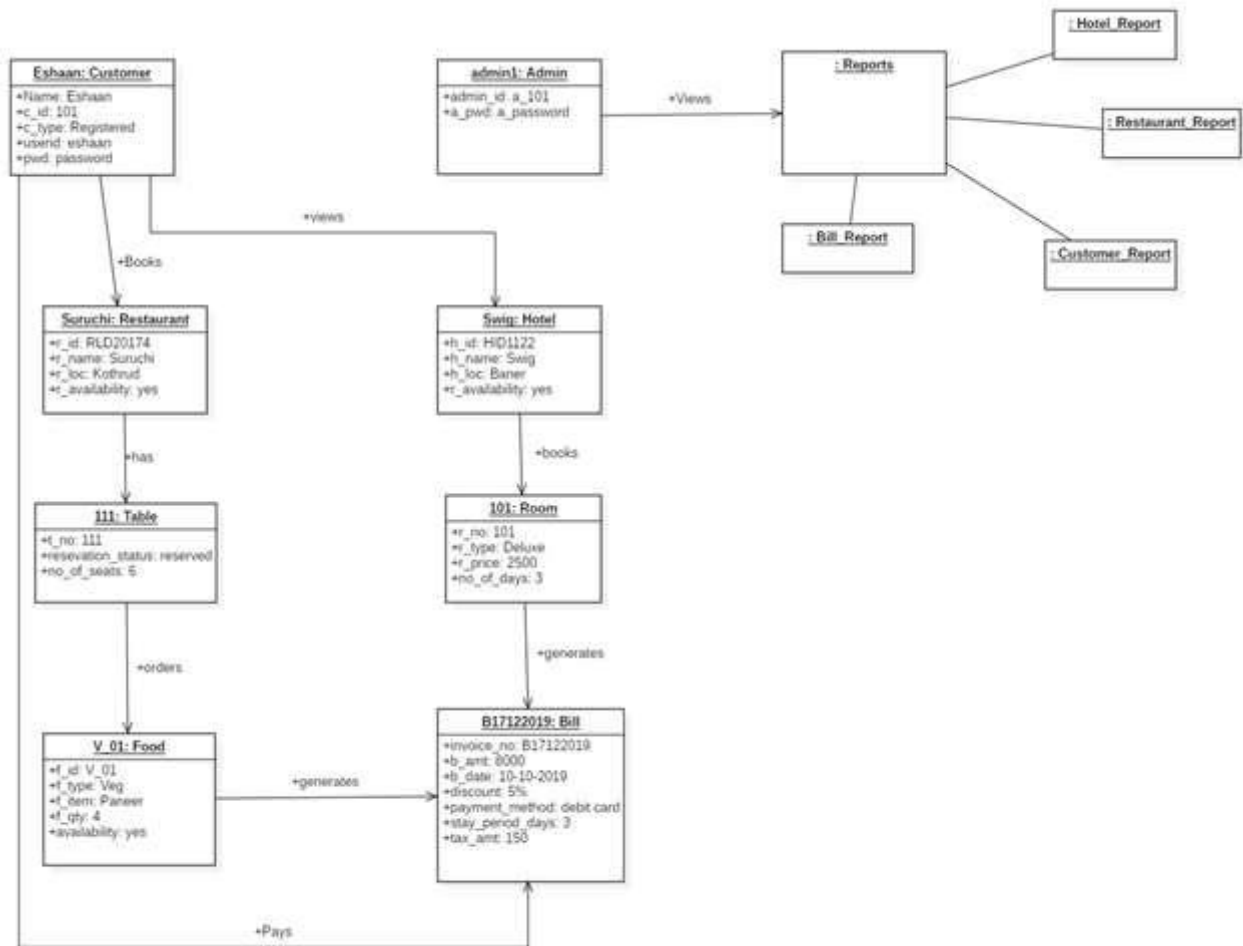
- Security
- Reliability and accessibility
- Scalable
- Fast data insertion and retrieval

2.3 USER REQUIREMENTS

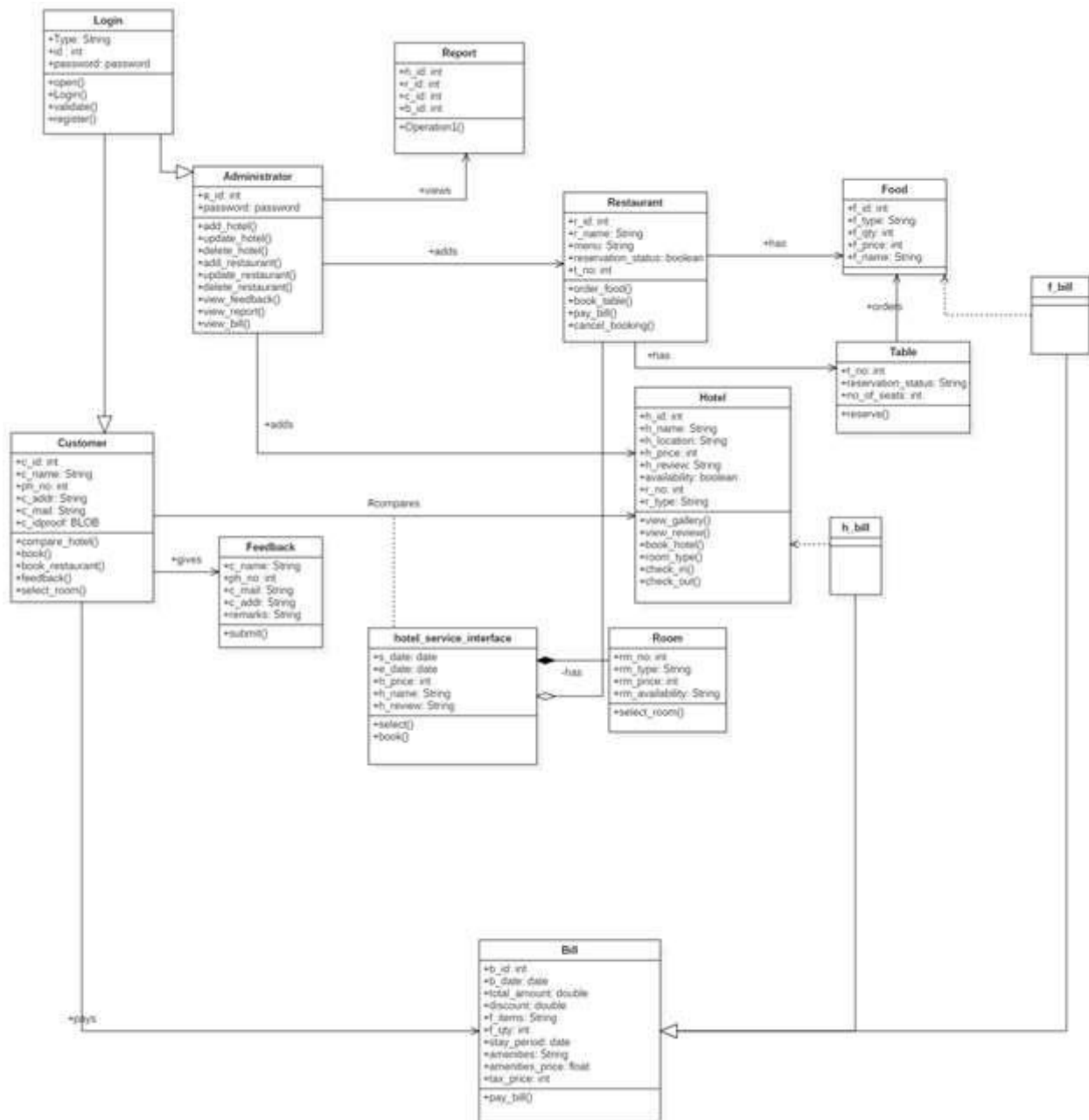
User requirements are as follows:

- Should be able to access website from any device and location.
- One stop for all services. (integrated system and not 'n' no. of standalone systems)
- Customer registration
- Customer login
- Check-in and check-out
- Restaurant and related services
- Information search for various hotels and restaurants
- Comparison of hotels
- Easy process for hotel and restaurant owners to publish their hotel or restaurant on the website.
- Booking of restaurants and hotels
- Easy bill payment, possibly cashless
- Discounts
- Cancellations, etc.

3.1 OBJECT DIAGRAM

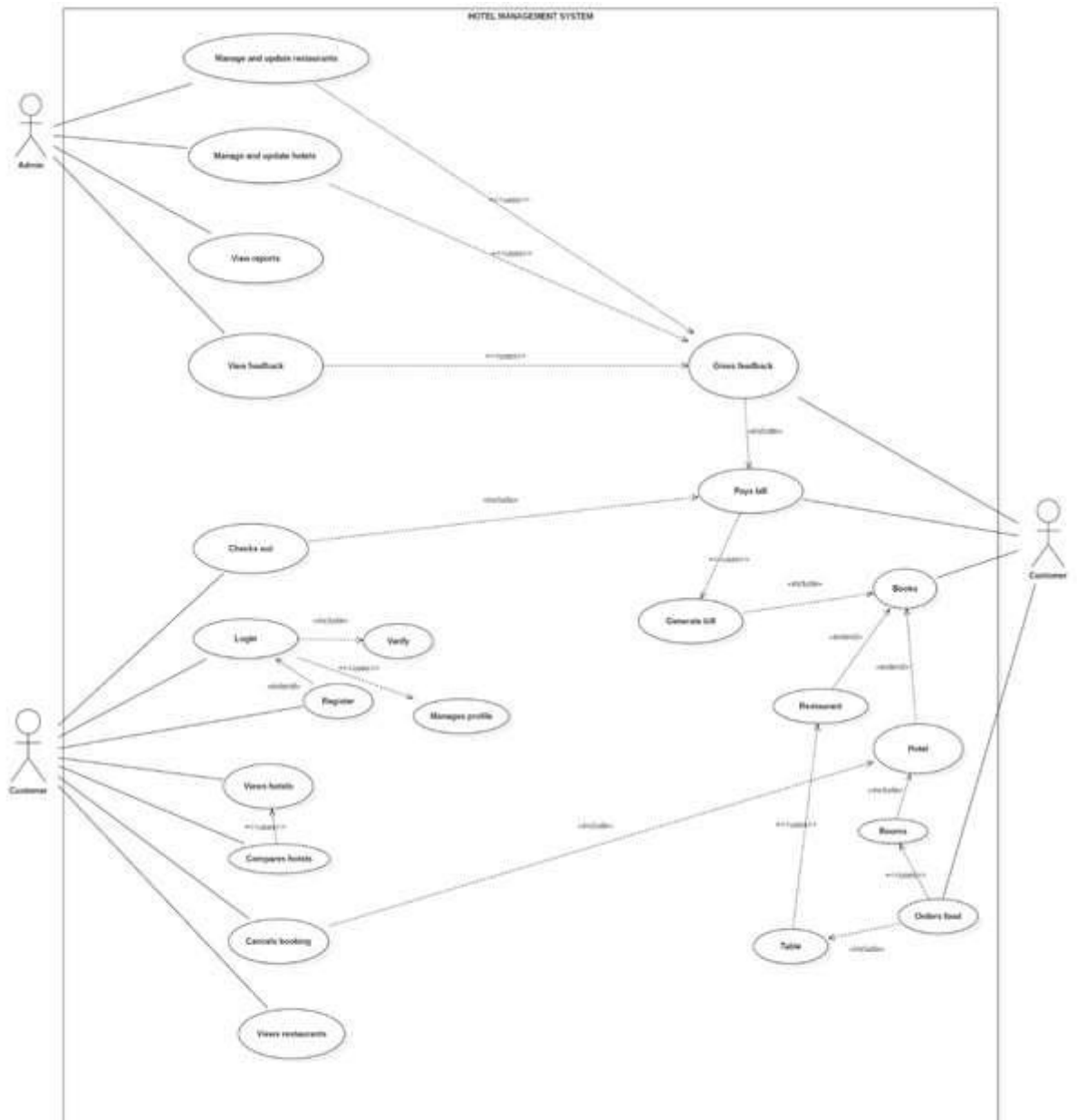


3.2 CLASS DIAGRAM

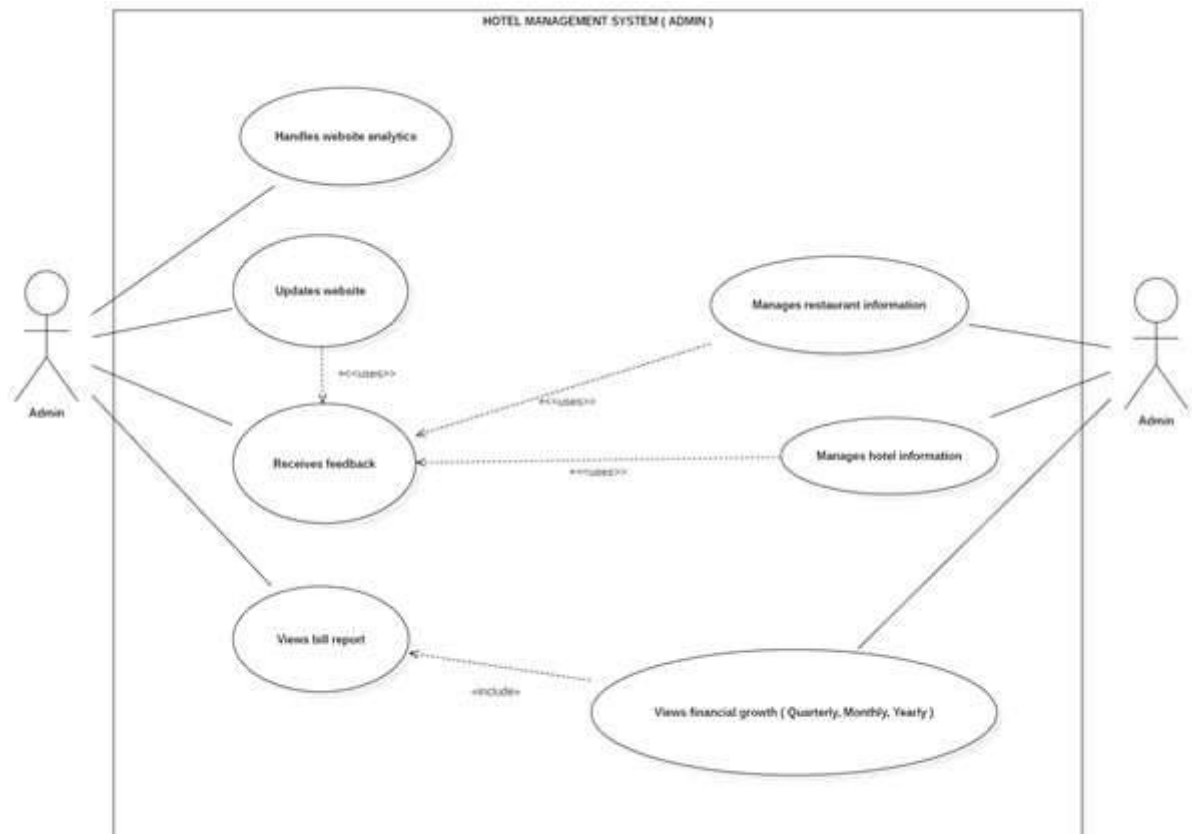


3.3 USE CASE DIAGRAM

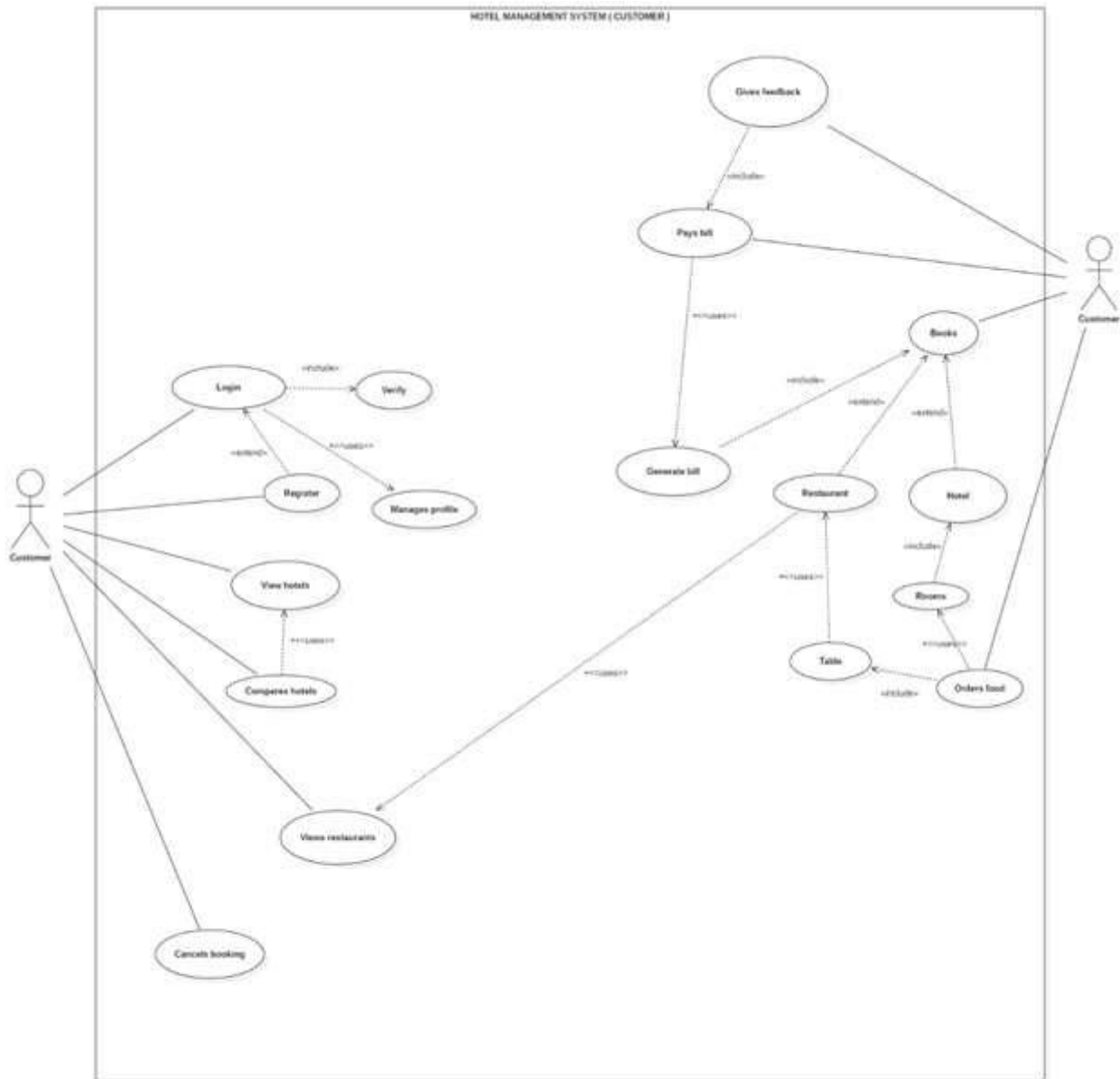
SYSTEM



ADMIN MODULE

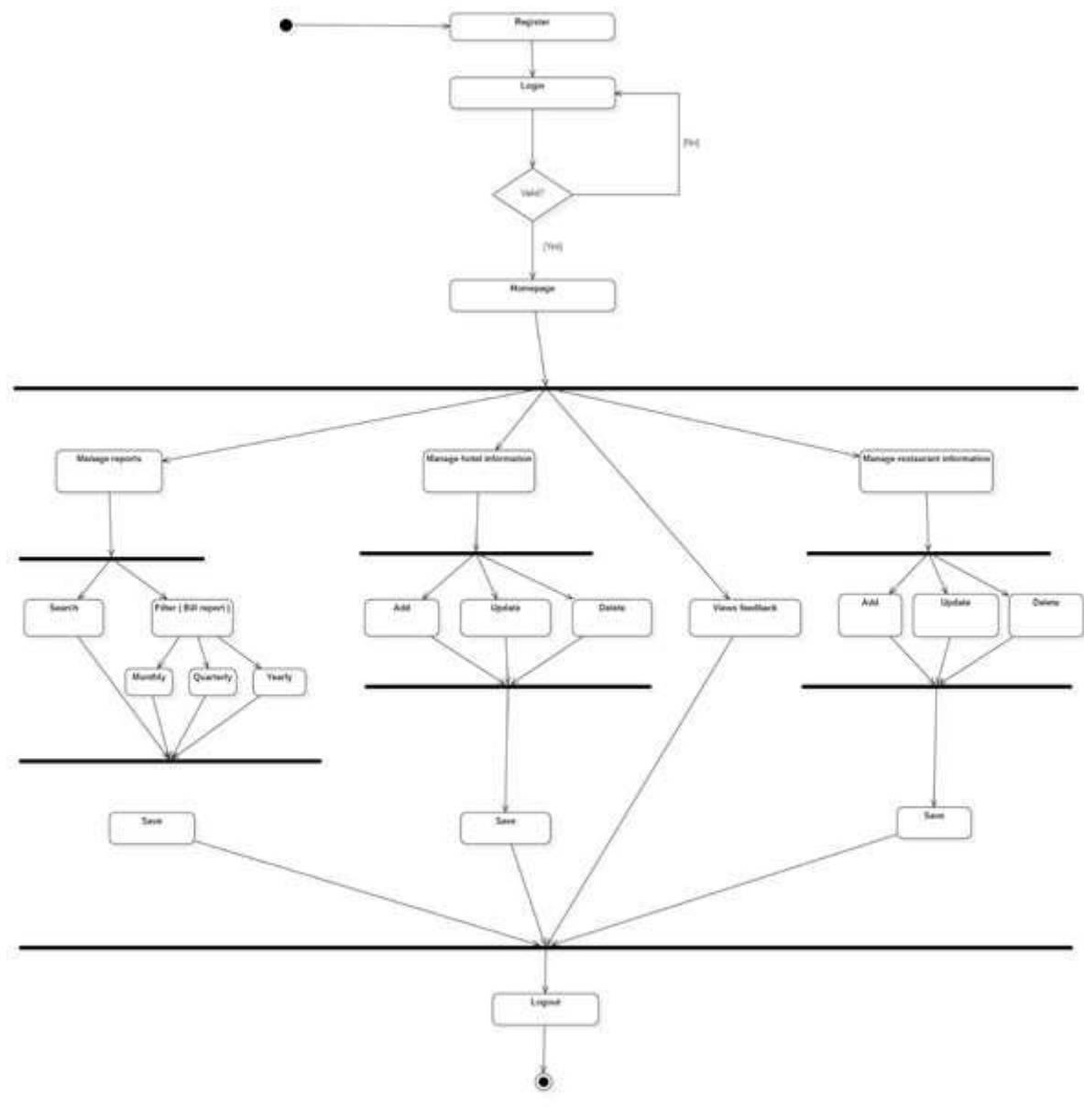


CUSTOMER MODULE

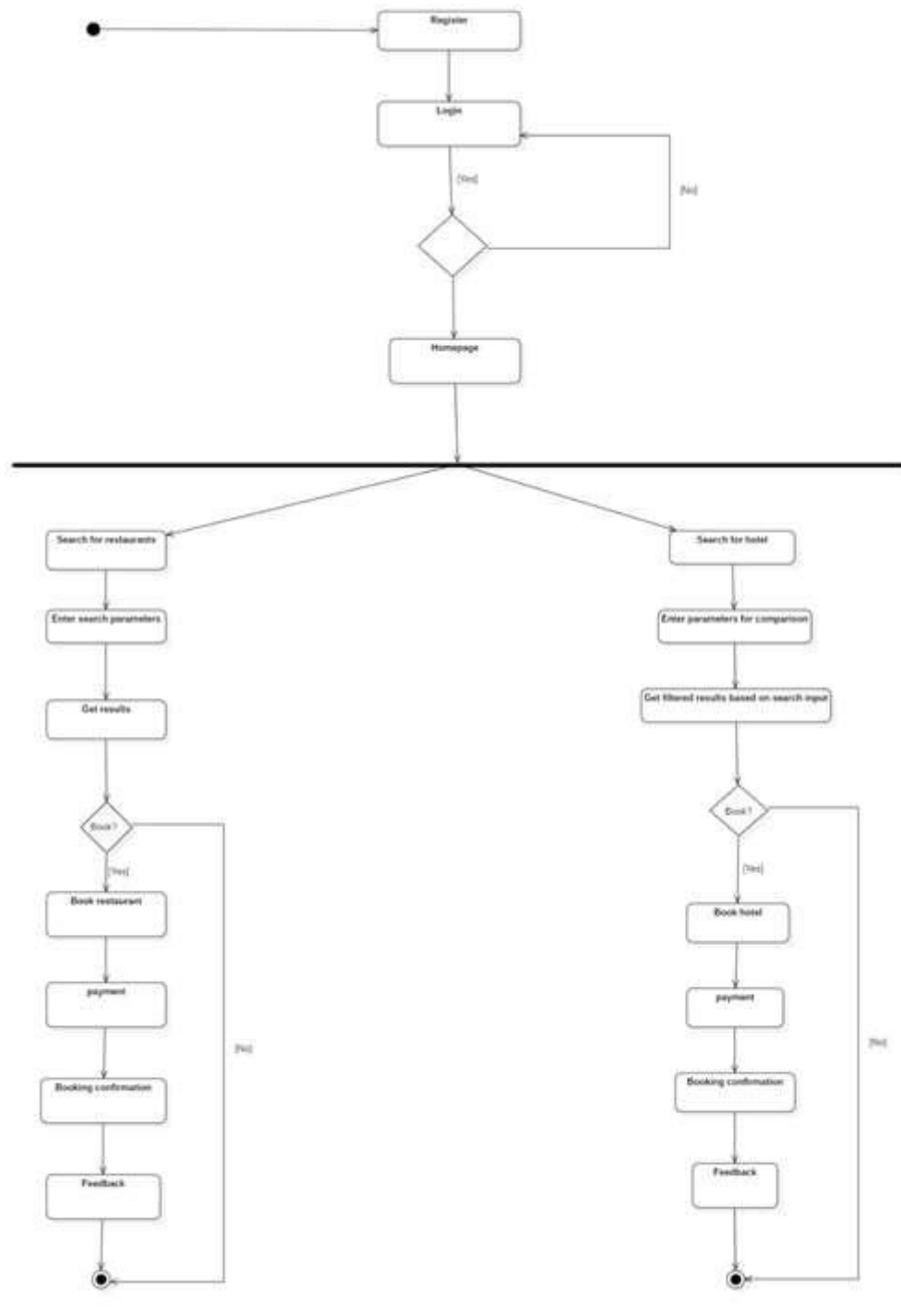


3.4 ACTIVITY DIAGRAM

ADMIN MODULE

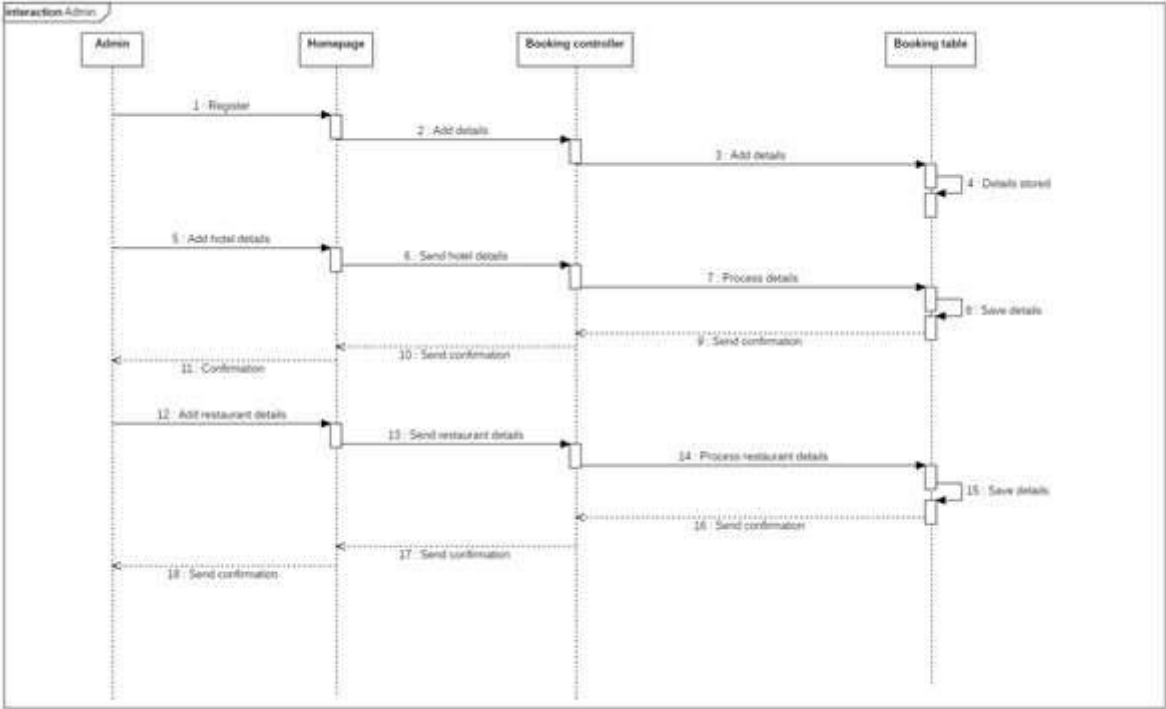


CUSTOMER MODULE

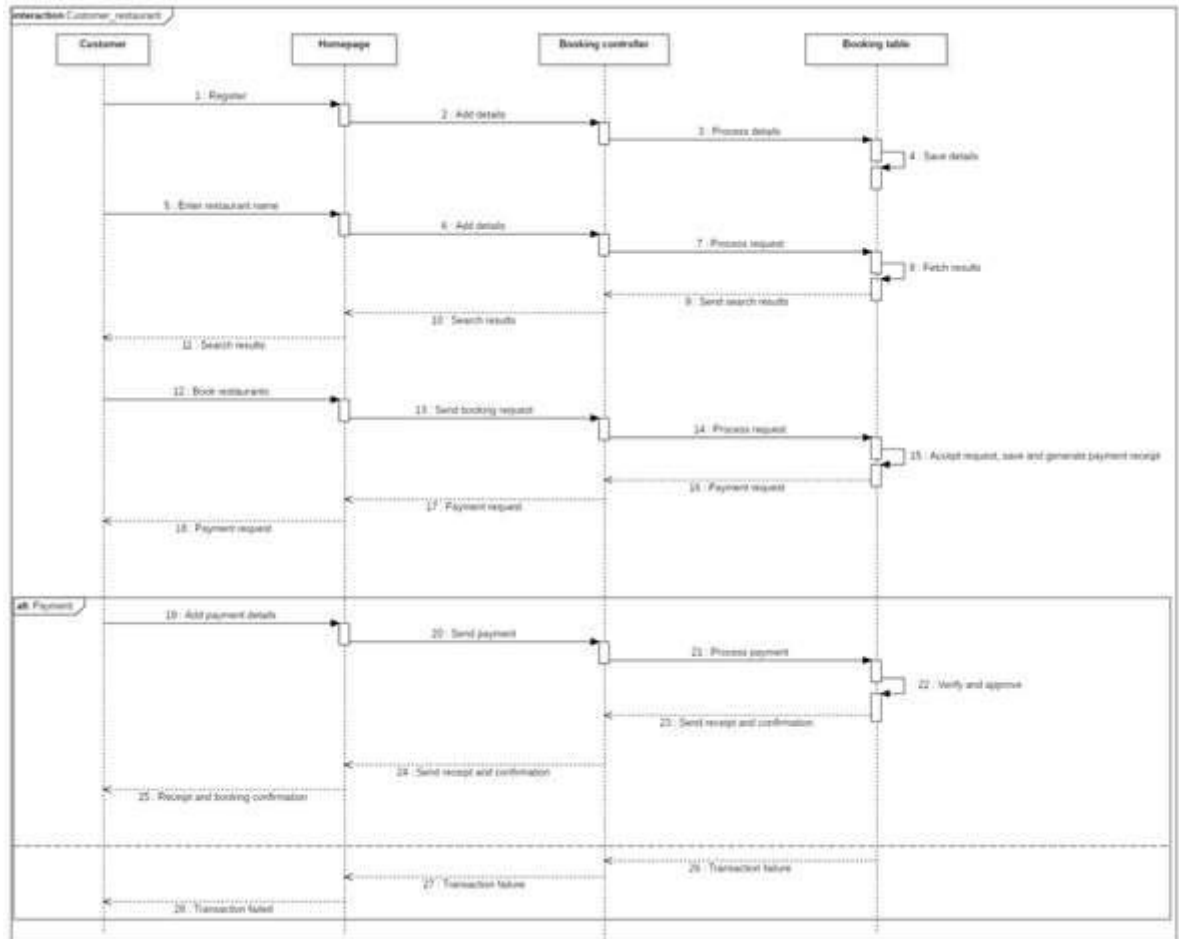


3.5 SEQUENCE DIAGRAM

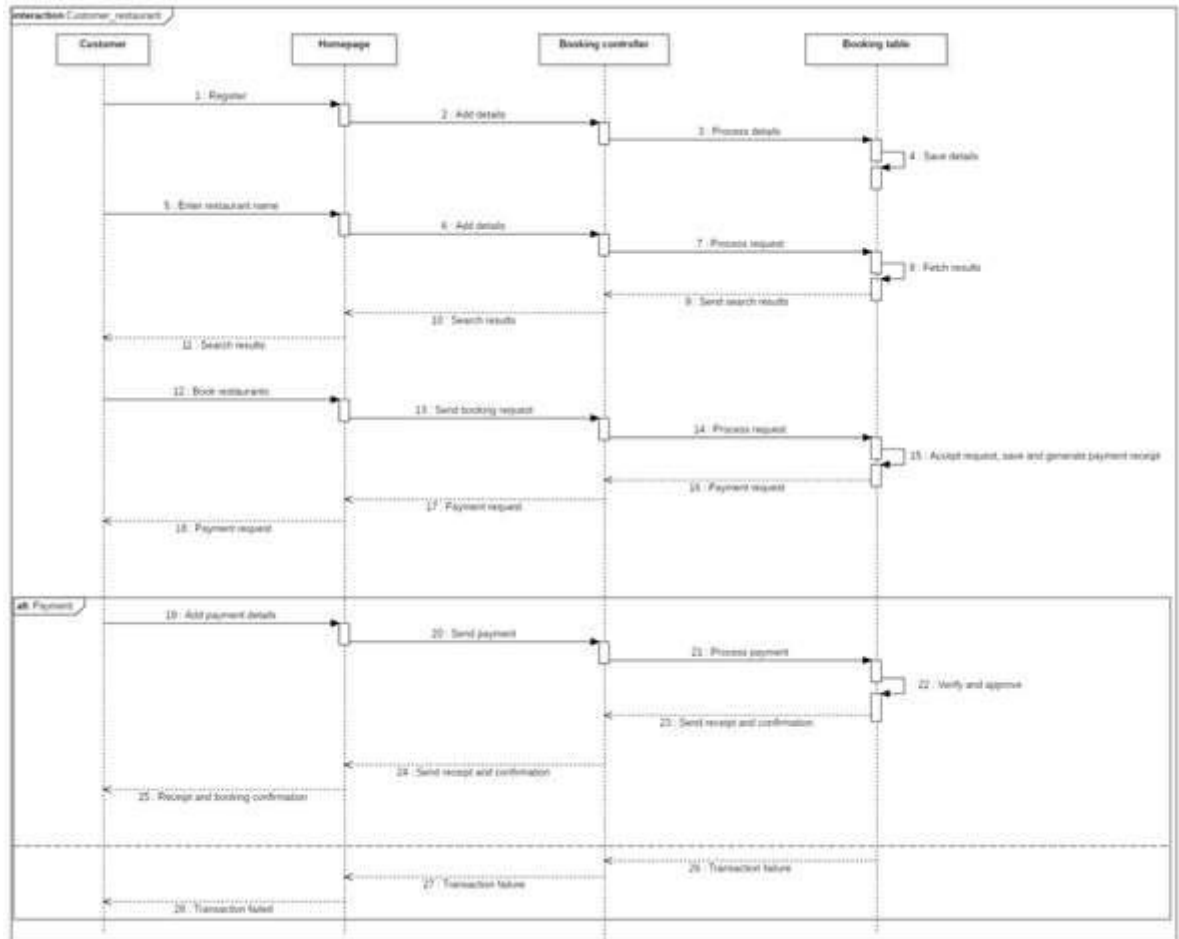
ADMIN MODULE



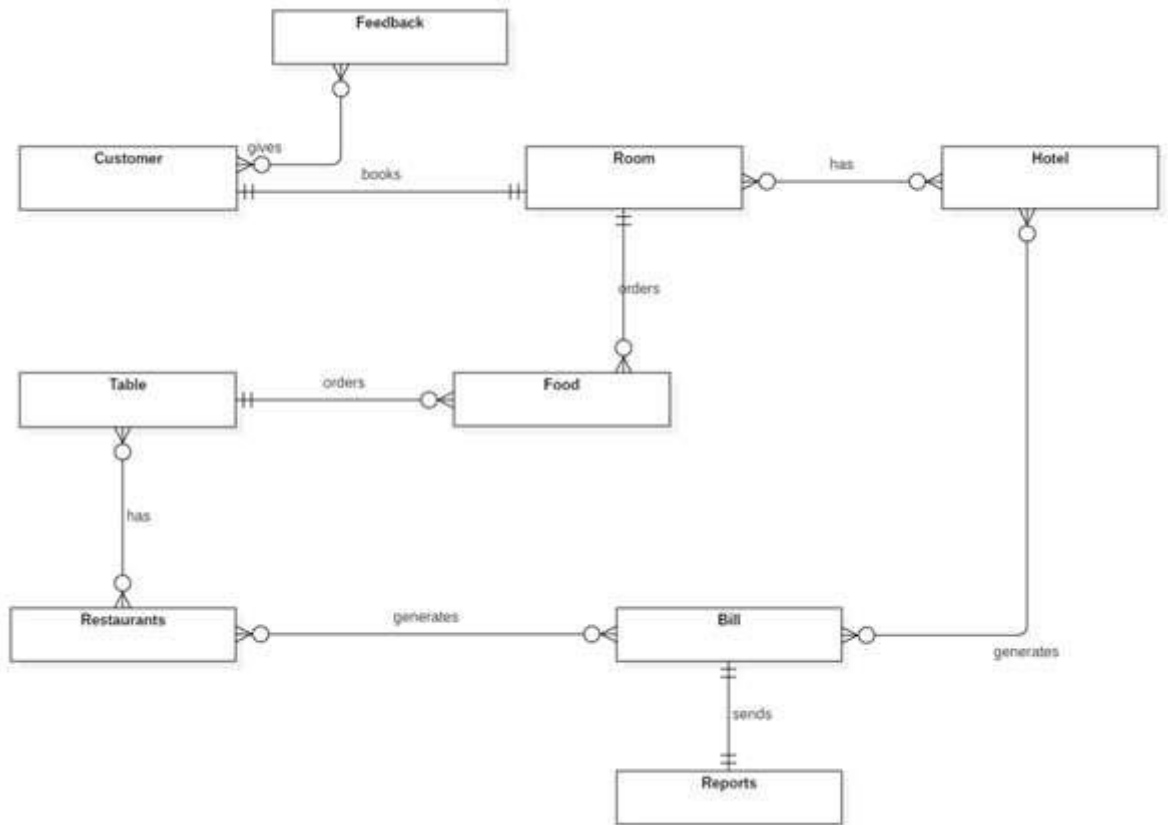
CUSTOMER RESTAURANT MODULE



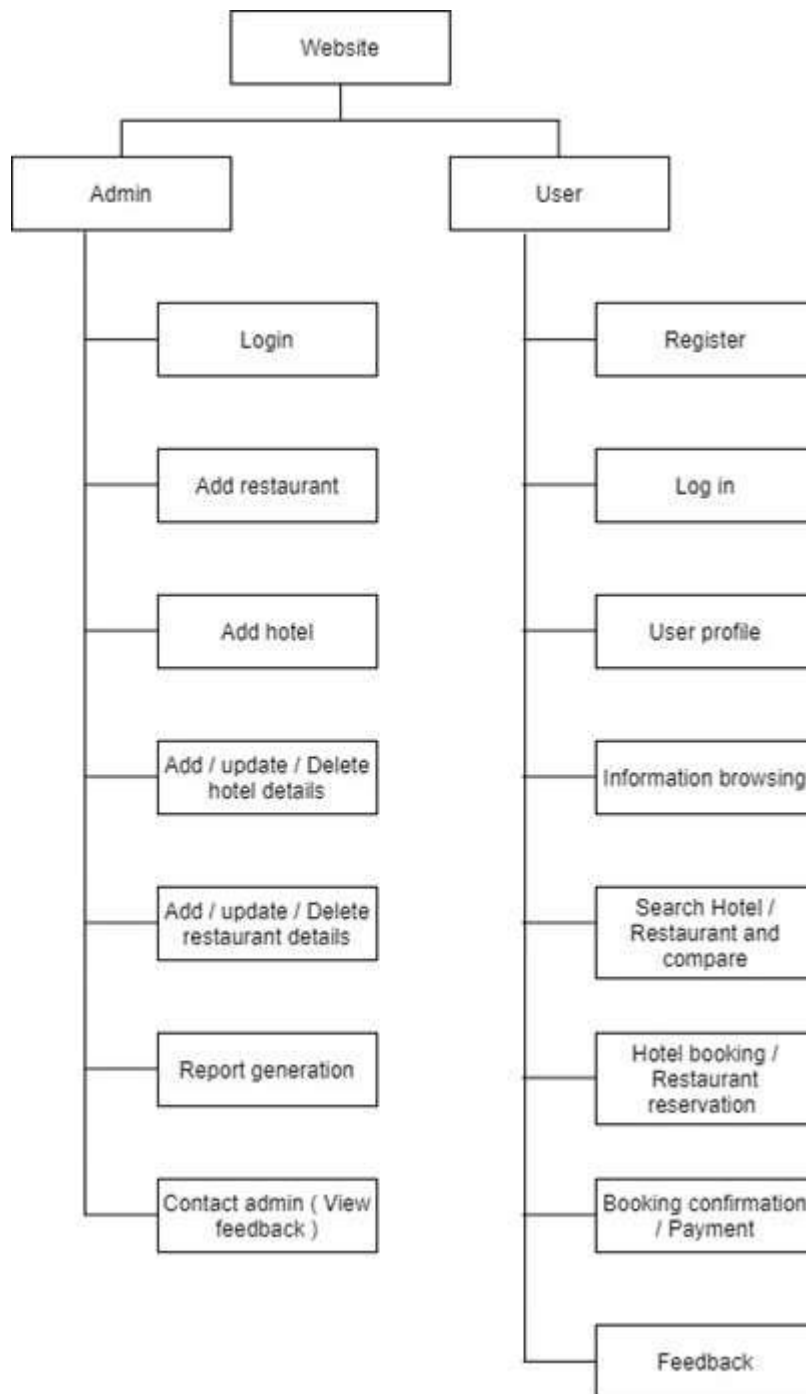
CUSTOMER HOTEL MODULE



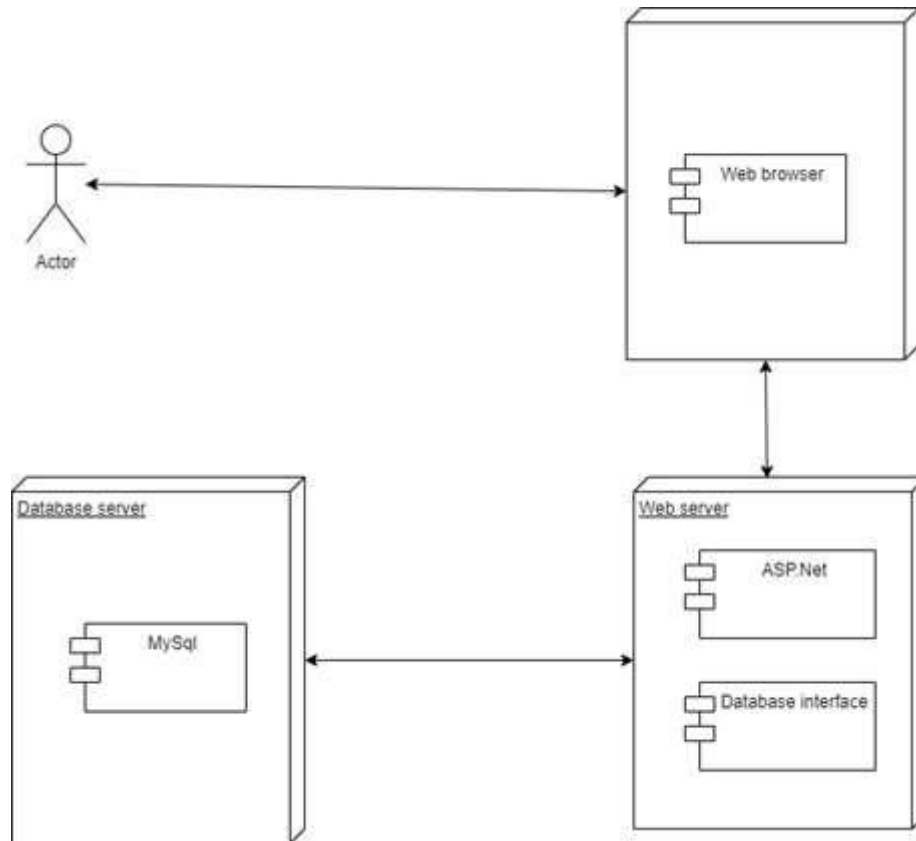
3.6 ENTITY RELATIONSHIP DIAGRAM



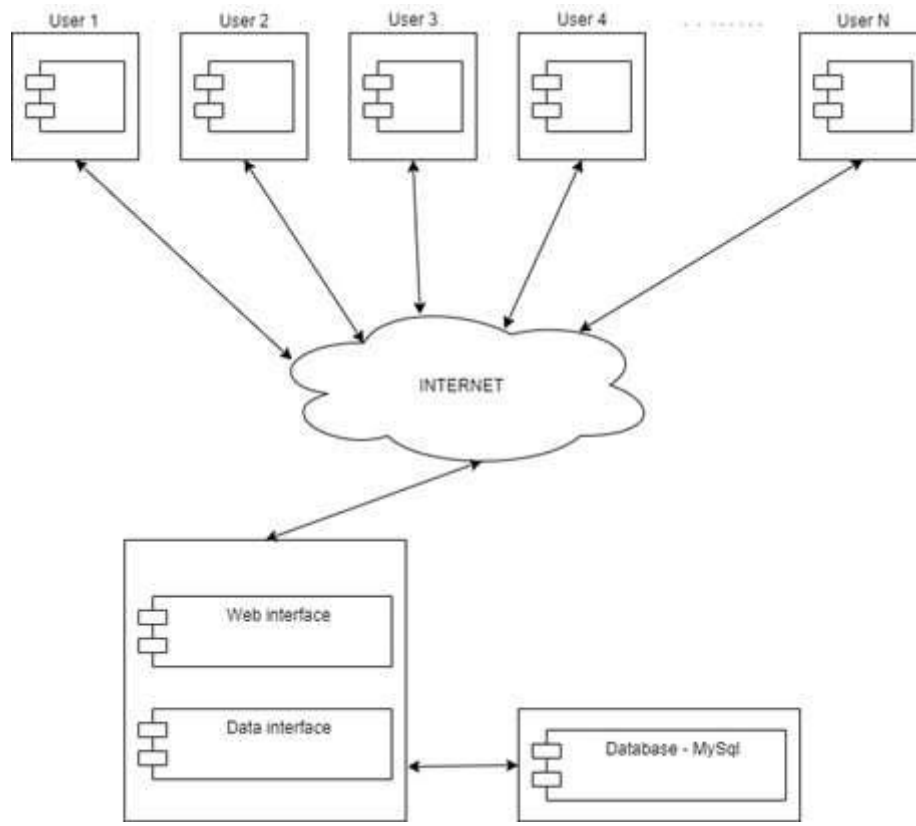
3.7 MODULE HIERARCHY DIAGRAM



3.8 COMPONENT DIAGRAM



3.9 DEPLOYMENT DIAGRAM



3.10 MODULE SPECIFICATIONS

In this system there are 2 main modules.

The modules are as follows:

1. ADMIN MODULE:

The admin is the one who manages the system and performs the following operations.

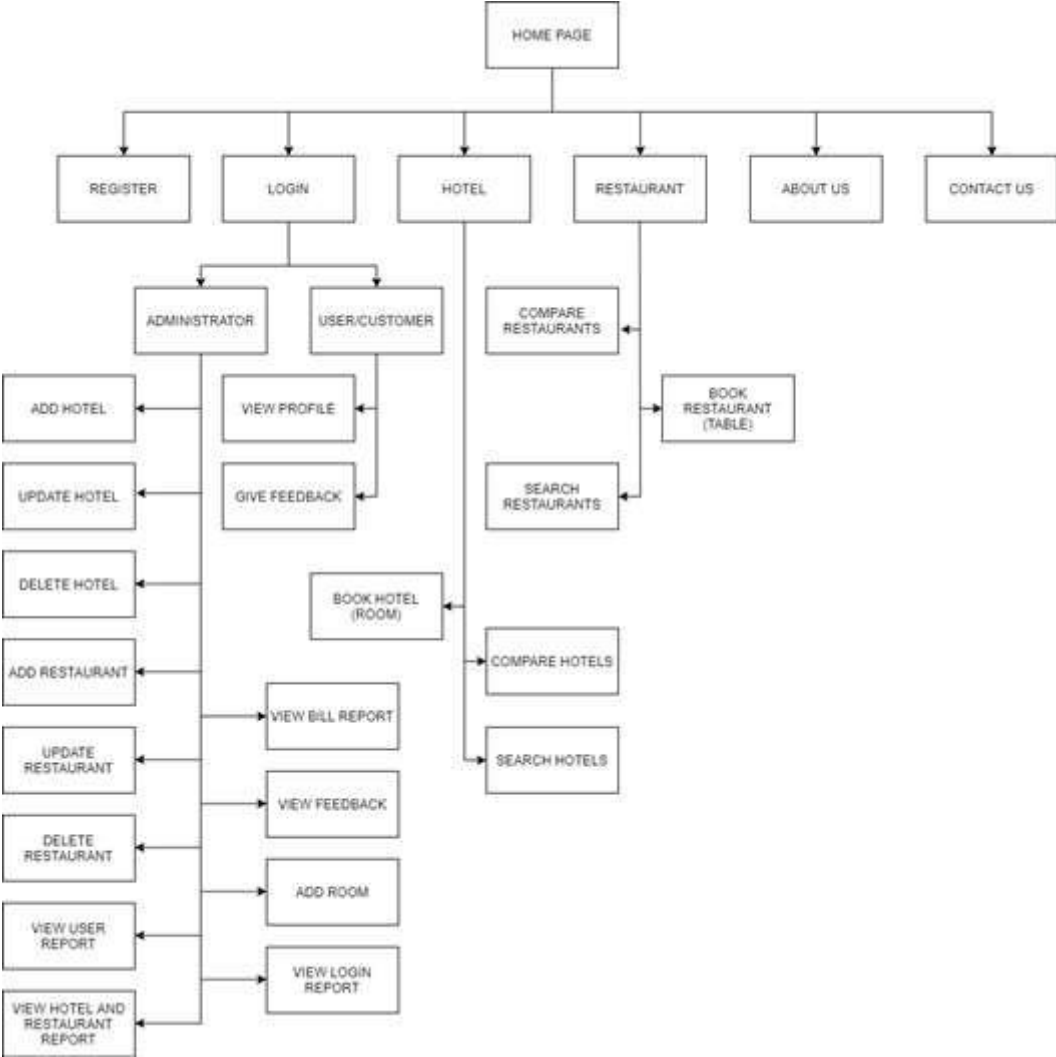
- a. Can add, update, delete hotels.
- b. Can add, update, delete restaurants.
- c. Can view booking report.
- d. Can view user report
- e. Can view user login report
- f. Can add rooms to hotel
- g. Can view feedback
- h. Can view hotel and restaurant details.

2. USER/CUSTOMER MODULE:

A user/customer can interact with the website and perform the following operations:

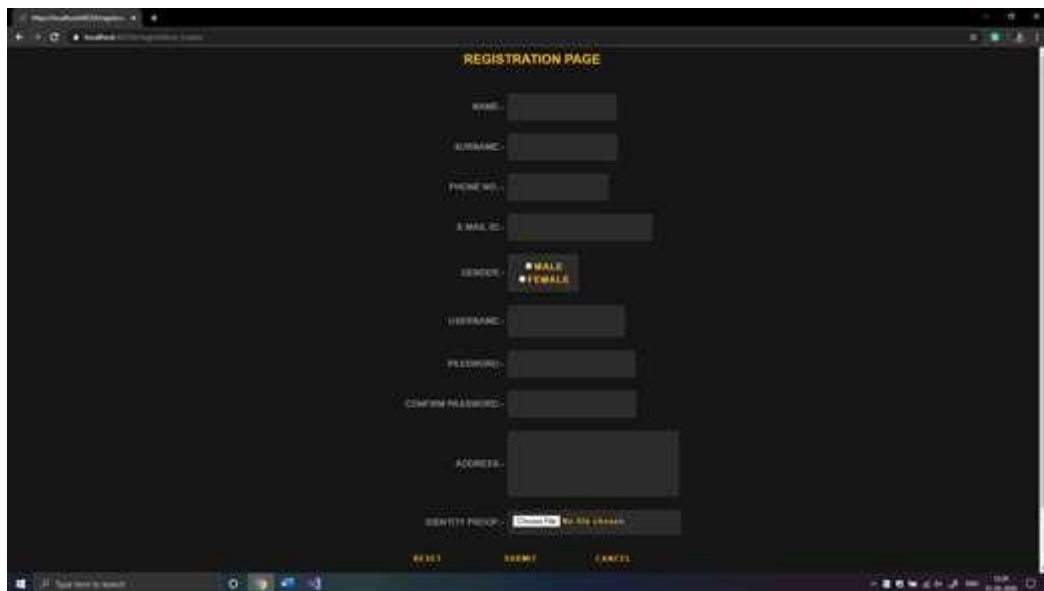
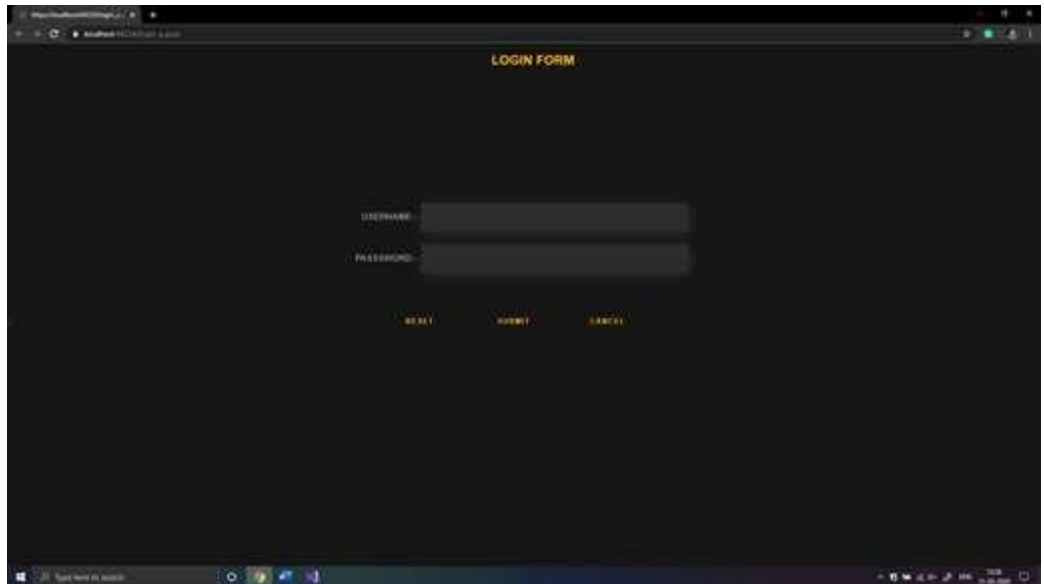
- a. User/Customer can browse through various elements of the website.
- b. User/Customer can book a hotel or a restaurant after registering on the website.
- c. User/Customer can compare hotels based on location specified.
- d. Can pay online for booking a hotel or a restaurant.
- e. Can give feedback.

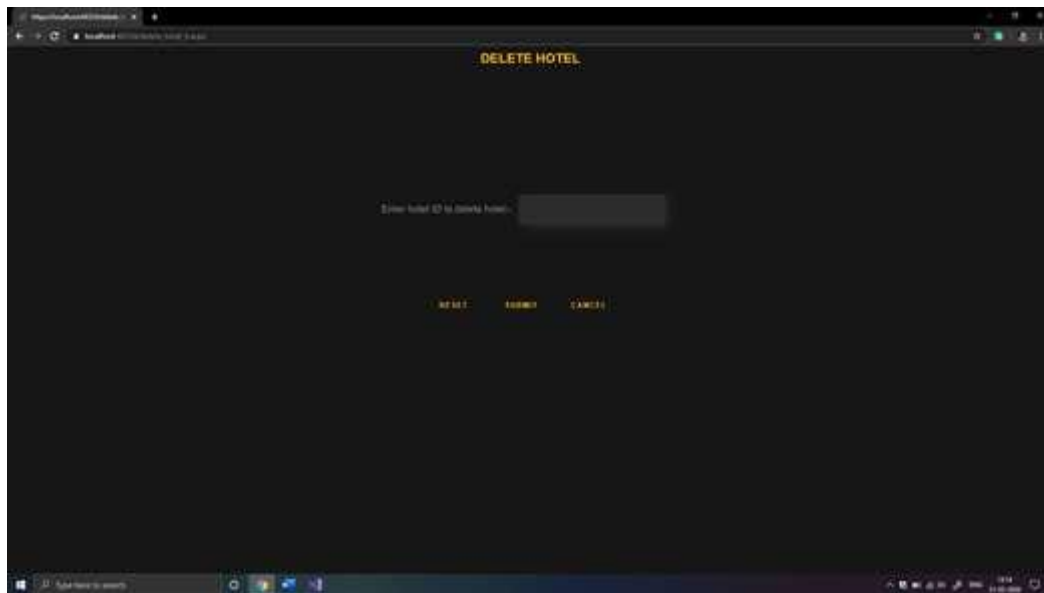
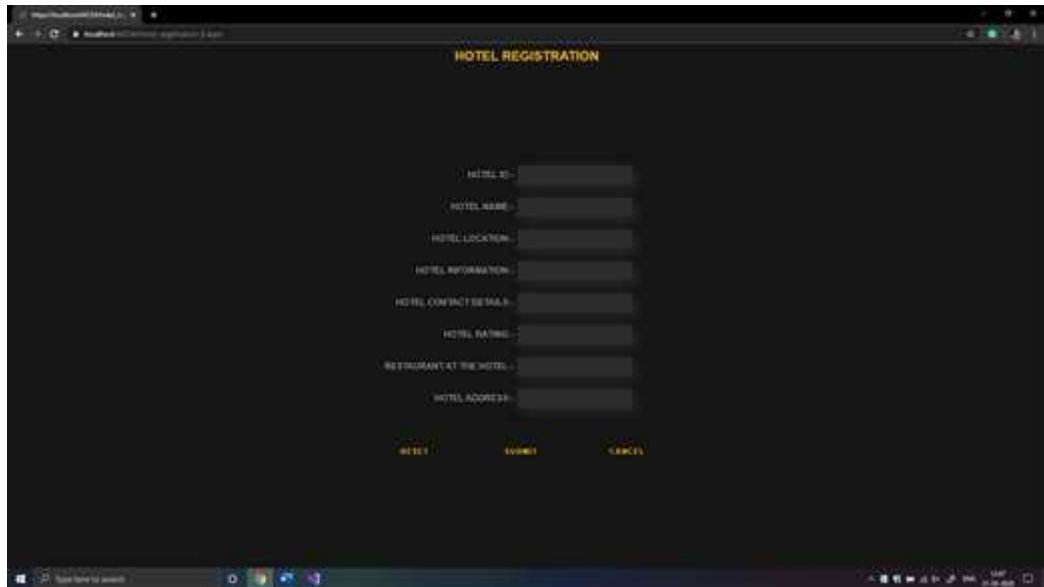
3.12 WEB SITE MAP DIAGRAM

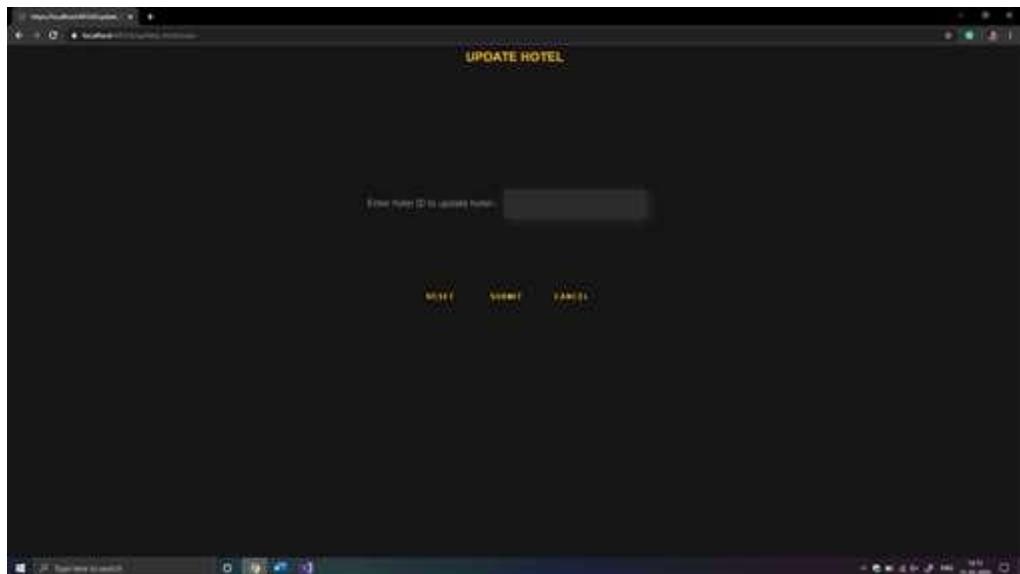
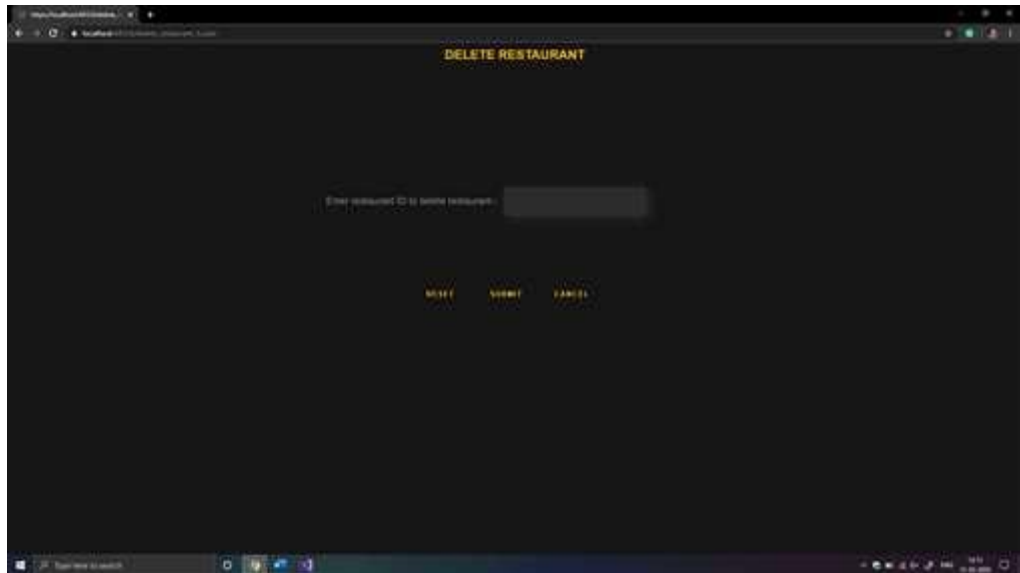


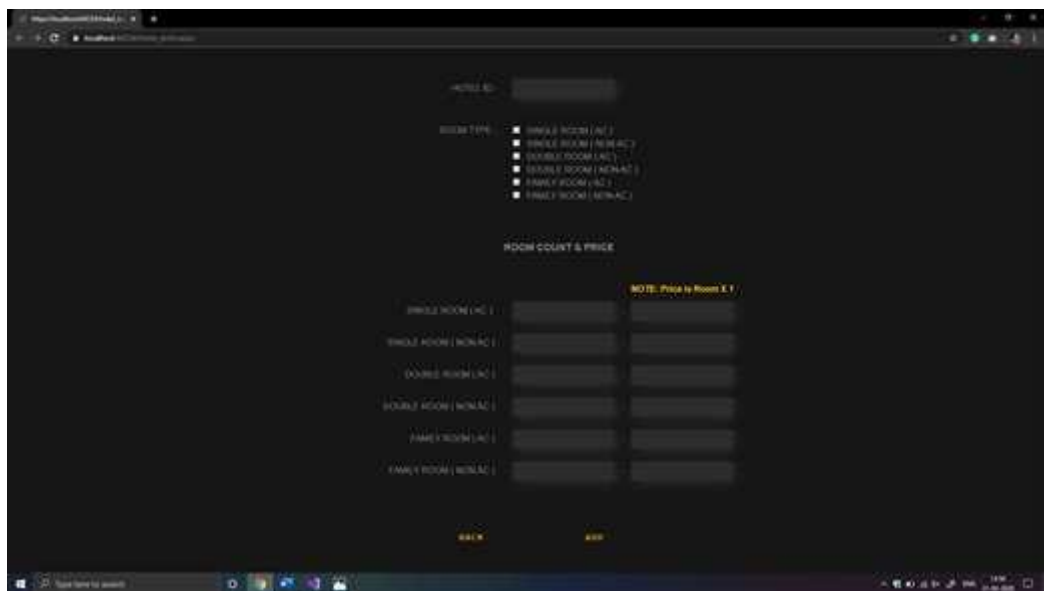
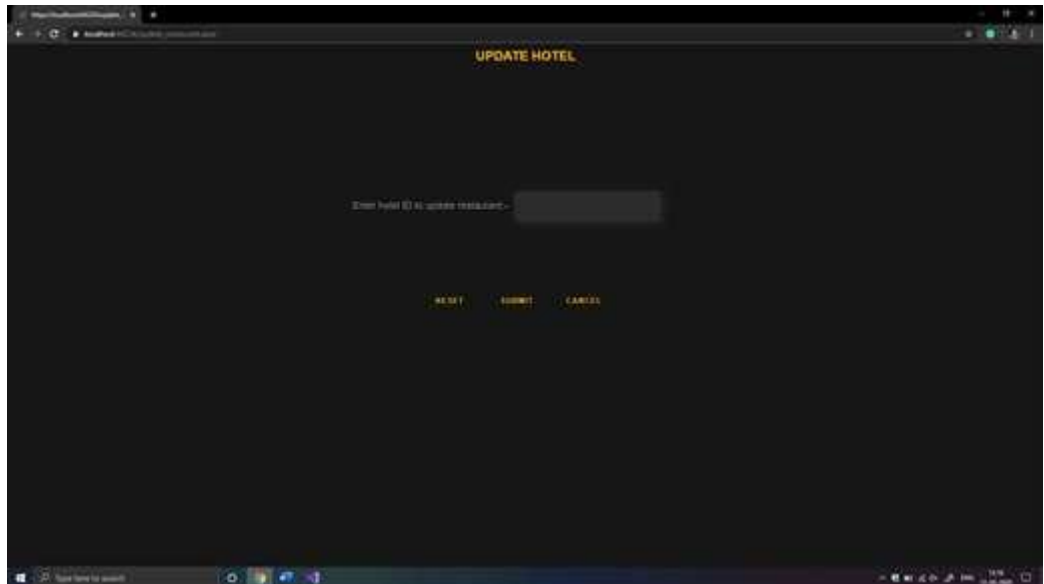
3.13 USER INTERFACE DIAGRAM

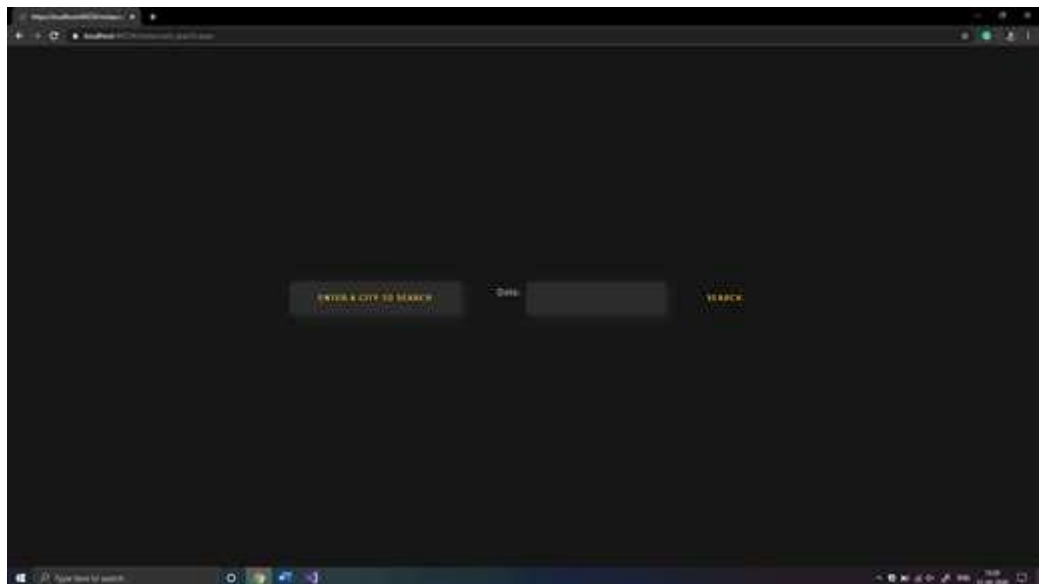
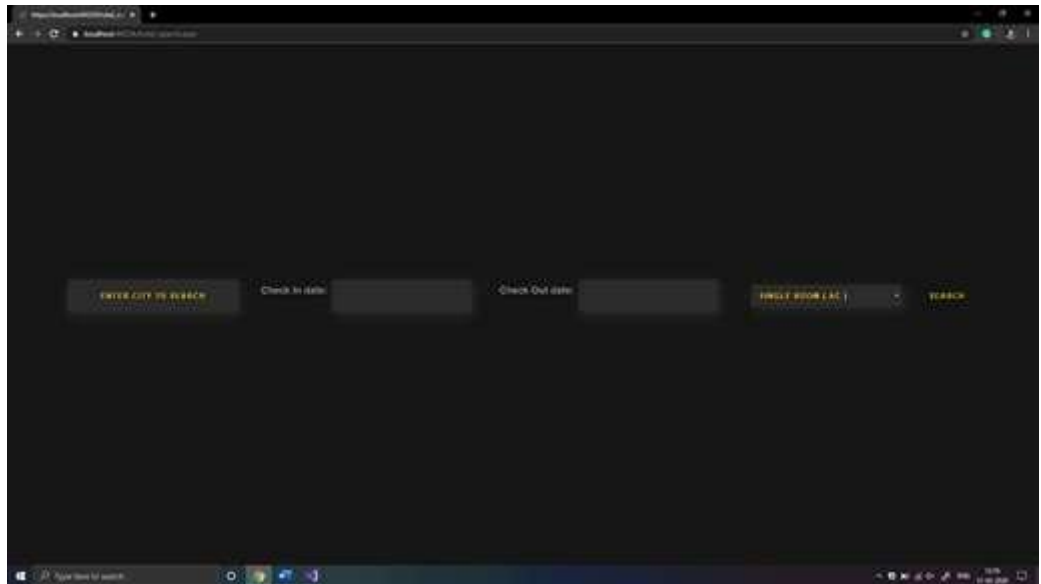


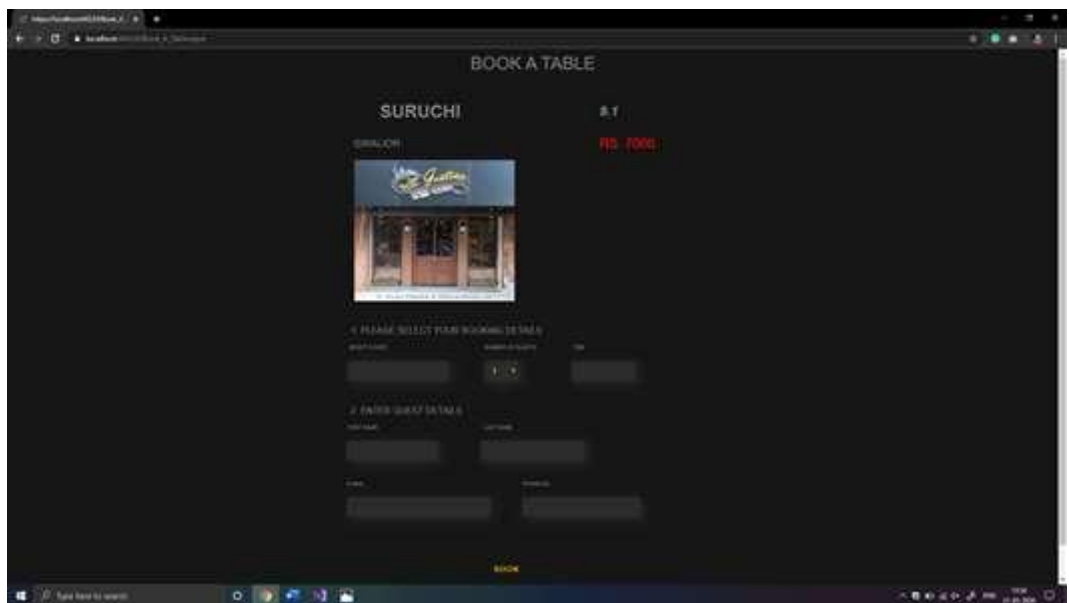
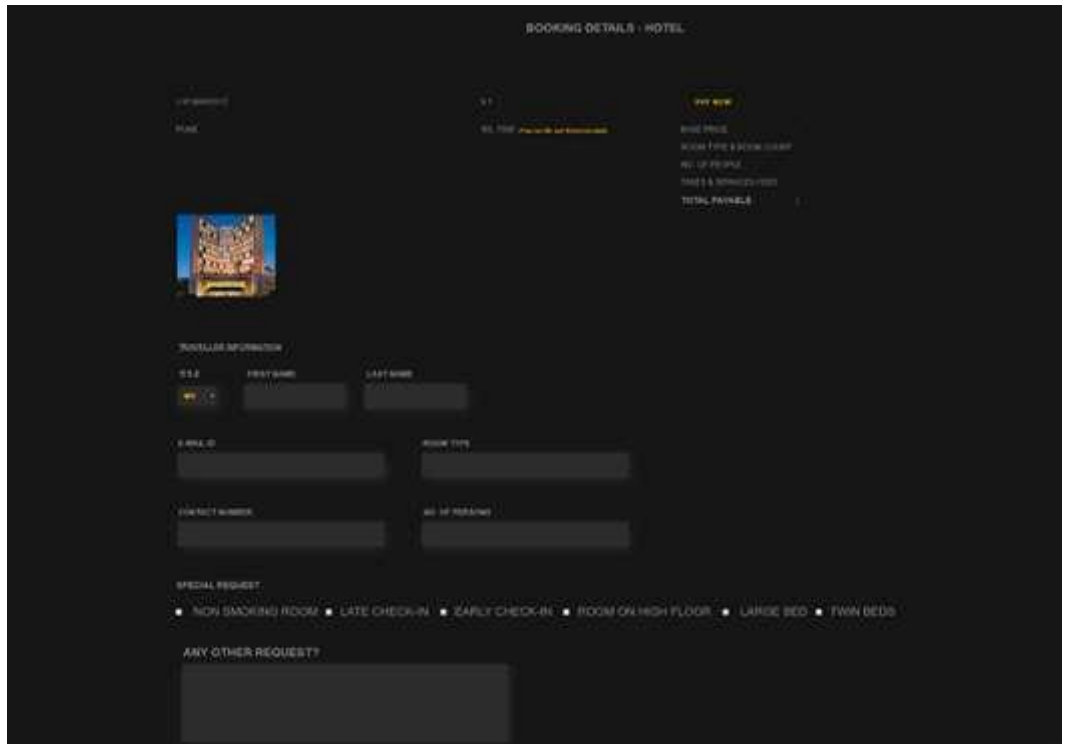


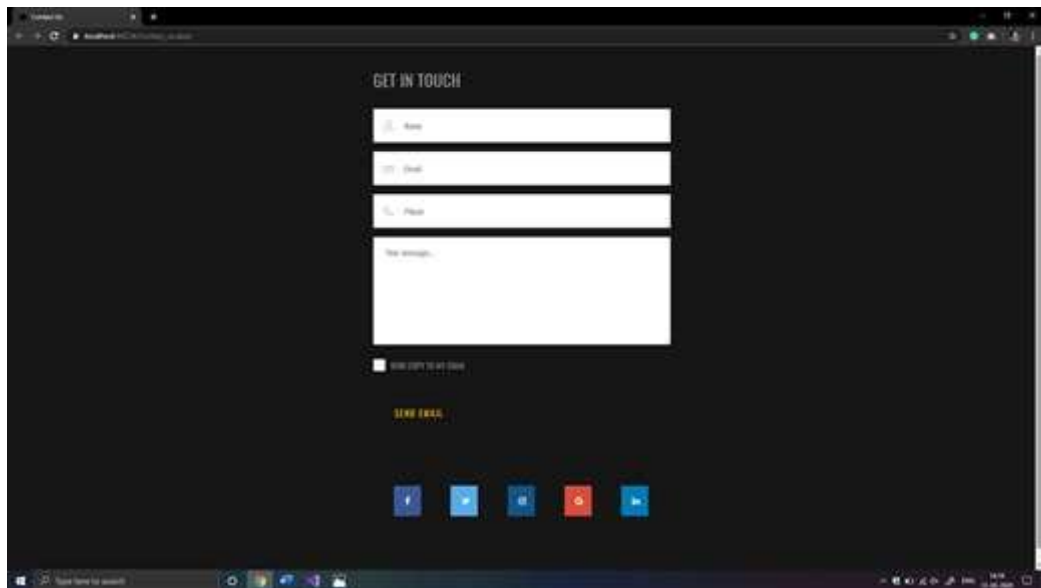
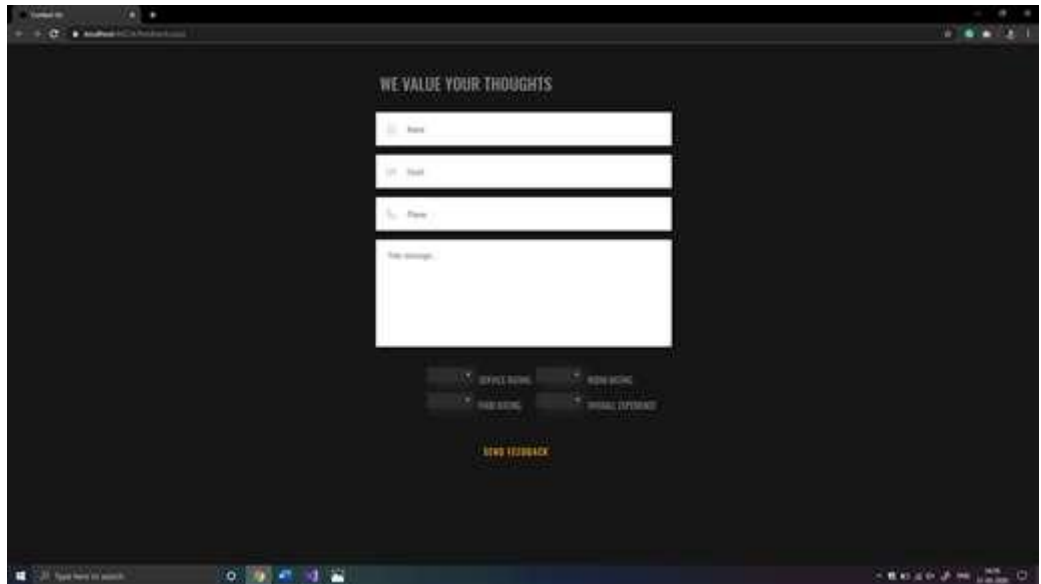












Hello there and a warm welcome to the TREAT

We've been working hard the last year & today's mission from a bag and bring the world to bring to a golden welcome, a good time and a comfortable one to drink and eat. If you enjoy being back a part of people coming to the right place!

OUR MISSION

SHAPING THE FUTURE OF CONSUMERICE

Who are we?

Launched in 2019, TREAT has grown from a home grown to becoming a popular brand and recognized brand in the world. We are present in 24 countries and 1000+ other globally, making our vision of better than it an endless quest for better people. We are only a small people in your eye and it's a matter of time before we will be known as well as others to make a sustainable tomorrow.

OUR CULTURE AND VALUES

At TREAT, we're a little unconventional. We are 500+ people, powered by a shared passion to stay ahead of the game. We are diverse, resilient and valuable team of 20 different nationalities, who come together to work towards a common goal.

Resilience

We proudly represent the resilience of our people and the resilience of our brand. When we face our challenges, we address it with resilience.

Acceptance

Flexibility is a core value personally, we focus on the positive aspects and work to work on your own personal growth and efficiency.

Ownership

People have said since the TREAT, they said "TREAT" who had more to do with it, we own, take responsibility, and drive for change.

Humility

We always say "we're not". We don't have ourselves in pride or confidence being without success, but focus on being our simple mission to every other day.

Spark

We believe in, stand for and are responsible of our culture. We, with TREAT and its values, believe that every who we have and it's our chance. We want to get better, always with our customers.

Judgement

We believe in, stand for and are responsible of our culture. We, with TREAT and its values, believe that every who we have and it's our chance. We want to get better, always with our customers.

We've grown a lot since we started

— all about TREAT

— COME ON IN, WE'VE GOT TO MEET YOU FEEL GOOD!

3.14 DATA DICTIONARY

Sr. No.	Column name	Datatype	Size	Description
1.	Amenities_chosen	varchar	50	Stores services selected by the user.
2.	b_date	date	10	Specifies booking date
3.	b_id	int	5	Booking id to uniquely identify booking of the corresponding user.
4.	bill_date	date	10	Date of issue of bill.
5.	bill_id	Int	5	An id to uniquely identify the bill of

				a specific customer.
6.	bill_no	Int	5	Bill number for financial reading.
7.	c_addr	varchar	50	Address of the customer.
8.	c_contact	int	10	Mobile number of Landline number of the customer.
9.	c_email	varchar	20	E-mail address of the customer.
10.	c_gender	text	8	Gender of the customer.
11.	c_id	int	5	An id to uniquely identify the customer in the database.

12.	c_name	varchar	20	Name of the customer.
13.	chk_in_date	date	10	Date of check-in.
14.	chk_in_id	int	5	An id to view the check-in details of the customer.
15.	chk_in_time	date	10	Time of check-in of the customer.
16.	chk_out_id	int	5	An id to view the check-out details of the Customer.
17.	f_availability	varchar	5	Availability of ordered food item.
18.	f_discount	double	10	Discount on food. (If any)

19.	f_id	Int	5	Id to identify food item in the inventory.
20.	f_name	varchar	15	Name of the food item.
21.	f_price	int	8	Price of the food item.
22.	f_type	varchar	10	Type of food item. (Veg, Non-Veg, etc.)
23.	fd_date	date	10	Date on which the customer gave feedback.
24.	fd_id	int	5	Feedback id
25.	h_bill_date	date	10	Date on which bill of hotel stay is generated.
26.	h_bill_id	Int	5	Bill id of hotel bill.

27.	h_gallery	BLOB	-	Gallery of a specific hotel.
28.	h_id	int	5	Hotel id in the system/database.
29.	h_info	varchar	50	Hotel information.
30.	h_loc	varchar	15	Location of the hotel.
31.	h_name	varchar	20	Name of the hotel.
32.	h_reg_no	int	10	Registration number of the hotel for legitimacy.
33.	h_review	varchar	20	Review of the hotel by customers.
34.	id_proof	BLOB	-	Customer proof

35.	o_date	date	10	Date of the order placed.
36.	o_id	int	5	Order id of order placed from a room.
37.	pwd	password	15	Password of the customer to log onto the website.
38.	qty	int	5	Quantity of food item ordered.
39.	rm_availability	varchar	5	Availability of room.
40.	r_gallery	BLOB	-	Gallery of the restaurant.
41.	r_id	int	5	Restaurant id.
42.	r_info	varchar	50	Restaurant information.

43.	r_loc	varchar	15	Location of the restaurant.
44.	r_name	varchar	20	Name of the restaurant.
45.	r_o_id	int	5	Order id of the order placed in restaurant.
46.	rm_price	int	10	Price of rooms.
47.	r_reg_no	Int	6	Registration number
48.	r_review	varchar	20	Review of the restaurant.
49.	rm_type	varchar	20	Type of the room.
50.	reg_date	date	10	Date of registration of the customer to the website. (for

				website analytics)
51.	remarks	varchar	50	Remarks by the customer as feedback, if any.
52.	rm_id	int	5	Room id to identify each room of the hotel separately in the database.
53.	rm_no	int	5	Room number of each room.
54.	services	varchar	10	Available services offered by the hotel.
55.	stay_period	int	5	Time period stay of customer in

				the hotel. (in days)
56.	stay_period_end	date	10	End date of stay period of the customer.
57.	stay_period_start	date	10	End date of stay period of the Customer.
58.	Sum_total	int	10	Total amount to be paid by the customer at the end of his/her stay at the hotel.
59.	t_capacity	int	5	Capacity to allocate no. of people at a particular table.

60.	t_no	int	5	Table number for reservation and order purposes.
61.	t_status	varchar	10	Status of availability of the table.
62.	table_reservation_date	date	10	Reservation date at the restaurant. (Can be reserved for a later date as well)
63.	total_payment	int	10	Total amount to be paid at the restaurant.
64.	user_id	varchar	20	Username of the customer to log into the system. (along with a

				username- password combination)
--	--	--	--	--

3.15 TABLE SPECIFICATIONS

1] Booking

Column name	Datatype	Size	Constraints
b_id	int	5	Primary key
b_date	date	10	Not Null
stay_period_start	date	10	Not Null
stay_period_end	date	10	Not Null
Amenities_chosen	varchar	50	Not Null
rm_id	int	5	Foreign key
o_id	int	5	Foreign key
h_id	int	5	Foreign key
c_id	int	5	Foreign key
chk_in_id	int	5	Foreign key
chk_out_id	int	5	Foreign key

2] Customer

Column name	Datatype	Size	Constraints
c_id	int	5	Primary key
reg_date	date	10	Not Null
user_id	varchar	20	Not Null
pwd	password	15	Not Null
id_proof	BLOB	-	Not Null
c_name	varchar	20	Not Null
c_addr	varchar	50	Not Null
c_contact	int	10	Not Null
c_email	varchar	20	Not Null
c_gender	text	8	Not Null

3] Hotel_info

Column name	Datatype	Size	Constraints
h_id	int	5	Primary key
h_name	varchar	20	Not Null
h_reg_no	int	10	Candidate key
h_loc	varchar	15	Not Null
h_info	varchar	50	Not Null
services	varchar	10	Not Null
r_id	int	5	Foreign key
h_review	varchar	20	Not Null
h_gallery	BLOB	-	Not Null
b_id	int	5	Foreign key
bill_no	Int	5	Foreign key

4] Restaurant_info

Column name	Datatype	Size	Constraints
r_id	Int	5	Primary key
r_name	varchar	20	Not Null
r_loc	varchar	15	Not Null
r_info	varchar	50	Not Null
r_review	varchar	20	Not Null
b_id	int	5	Foreign key
bill_no	Int	5	Foreign key
r_reg_no	Int	6	Candidate key
r_gallery	BLOB	-	Not Null
f_id	Int	5	Foreign key

5] Restaurant_Bill

Column name	Datatype	Size	Constraints
bill_id	Int	5	Primary key
bill_date	date	10	Not Null
stay_period	int	5	Not Null
c_id	int	5	Foreign key
b_id	int	5	Foreign key
r_id	int	5	Foreign key
f_id	int	5	Foreign key
total_payment	int	10	Not Null

6] Hotel_Bill

Column name	Datatype	Size	Constraints
h_bill_id	Int	5	Primary key
h_bill_date	date	10	Not Null
c_id	int	5	Foreign key
b_id	int	5	Foreign key
r_id	int	5	Foreign key
f_id	int	5	Foreign key
Sum_total	int	10	Not Null
discount	double	10	Not Null

7] Feedback

Column name	Datatype	Size	Constraints
fd_id	int	5	Primary key
fd_date	date	10	Not Null
c_id	int	5	Foreign key
h_id	int	5	Foreign key
r_id	int	5	Foreign key
remarks	varchar	50	Not Null

8] Room

Column name	Datatype	Size	Constraints
rm_id	int	5	Primary key
h_id	int	5	Foreign key
c_id	int	5	Foreign key
rm_price	int	10	Not Null
rm_availability	varchar	5	Not Null
rm_type	varchar	20	Not Null

9] Food

Column name	Datatype	Size	Constraints
f_id	int	5	Primary key
f_name	varchar	15	Not Null

r_id	int	5	Foreign key
rm_id	int	5	Foreign key
f_discount	double	10	Not Null
f_price	int	8	Not Null
f_type	varchar	10	Not Null
f_availability	varchar	5	Not Null

10] Restaurant_table

Column name	Datatype	Size	Constraints
t_no	int	5	Primary key
o_id	int	5	Foreign key
c_id	Int	5	Foreign key
t_capacity	int	5	Not Null
t_status	varchar	10	Not Null
table_reservation_date	date	10	Not Null

11] Order_restaurant

Column name	Datatype	Size	Constraints
o_id	int	5	Primary key
r_id	int	5	Foreign key
t_no	int	5	Foreign key
o_date	date	10	Not Null
f_id	Int	5	Not Null
f_name	varchar	20	Not Null
qty	int	5	Not Null

12] Order_hotel

Column name	Datatype	Size	Constraints
r_o_id	int	5	Primary key

r_id	int	5	Foreign key
t_no	int	5	Foreign key
o_date	date	10	Not Null
f_id	Int	5	Not Null
qty	int	5	Not Null
f_name	varchar	20	Not null

13] Registered_customer

Column Name	Datatype	Size	Constraints
User_id	varchar	20	Not Null
Pwd	varchar	15	Not Null

14] Check_in

Column name	Datatype	Size	Constraints
Chk_in_id	int	5	Primary key
rm_no	int	5	Foreign key
r_type	varchar	10	Not Null
b_date	date	10	Not Null
chk_in_date	date	10	Not Null
chk_in_time	date	10	Not Null
c_id	int	5	Foreign key
b_id	int	5	Foreign key

15] Check_out

Column name	Datatype	Size	Constraints
chk_out_id	int	5	Primary key
rm_no	int	5	Foreign key
r_type	varchar	10	Not Null
chk_in_date	date	10	Not Null
chk_in_time	date	10	Not Null
c_id	int	5	Foreign key
b_id	int	5	Foreign key

3.16 TEST PROCEDURES AND IMPLEMENTATIONS

(At least 15 testcases from 3 to 4 forms)

INTRODUCTION TO SYSTEM TESTING

The purpose of testing is to discover errors. Testing is the process of trying to discover every conceivable fault or weakness in a work product. It provides a way to check the functionality of components, sub-assemblies, assemblies and/or a finished product. It is the process of exercising software with the intent of ensuring that the Software system meets its requirements and user expectations and does not fail in an unacceptable manner. There are various types of test. Each test type addresses a specific testing requirement.

TYPES OF TESTING:

UNIT TESTING:

Unit testing involves the design of test cases that validate that the internal program logic is functioning properly, and that program inputs produce valid outputs. All decision branches and internal code flow should be validated. It is the testing of individual software units of the application .it is done after the completion of an individual unit before integration. This is a structural testing, that relies on knowledge of its construction and is invasive. Unit tests perform basic tests at component level and test a specific business process, application, and/or system configuration. Unit tests ensure that each unique path of a business process performs accurately to the documented specifications and contains clearly defined inputs and expected results.

INTEGRATION TESTING:

Integration tests are designed to test integrated software components to determine if they actually run as one program. Testing is event driven and is more concerned with the basic outcome of screens or fields. Integration tests demonstrate that although the components were individually satisfactory, as shown by successfully unit testing, the combination of components is correct and consistent. Integration testing is specifically aimed at exposing the problems that arise from the combination of components.

FUNCTIONAL TEST:

Functional tests provide systematic demonstrations that functions tested are available as specified by the business and technical requirements, system documentation, and user manuals.

Functional testing is centred on the following items:

Valid Input: Identified classes of valid input must be accepted.

Invalid Input: Identified classes of invalid input must be rejected.

Functions: Identified functions must be exercised.

Output: Identified classes of application outputs must be exercised.

SYSTEMS/PROCEDURES:

Interfacing systems or procedures must be invoked. Organization and preparation of functional tests is focused on requirements, key functions, or special test cases. In addition, systematic coverage pertaining to identify Business process flows; data fields, predefined processes, and successive processes must be considered for testing. Before functional testing is complete, additional tests are identified and the effective value of current tests is determined.

SYSTEM TEST:

System testing ensures that the entire integrated software system meets requirements. It tests a configuration to ensure known and predictable results. An example of system testing is the

configuration oriented system integration test. System testing is based on process descriptions and flows, emphasizing pre-driven process links and integration points.

WHITE BOX TESTING:

White Box Testing is a testing in which in which the software tester has knowledge of the inner workings, structure and language of the software, or at least its purpose. It is purpose. It is used to test areas that cannot be reached from a black box level.

BLACK BOX TESTING:

Black Box Testing is testing the software without any knowledge of the inner workings, structure or language of the module being tested. Black box tests, as most other kinds of tests, must be written from a definitive source document, such as specification or requirements document, such as specification or requirements document. It is a testing in which the software under test is treated,

as a black box .you cannot “see” into it. The test provides inputs and responds to outputs without considering how the software works.

UNIT TESTING:

Unit testing is usually conducted as part of a combined code and unit test phase of the software lifecycle, although it is not uncommon for coding and unit testing to be conducted as two distinct phases.

TEST OBJECTIVES

- All field entries must work properly.
- Pages must be activated from the identified link.
- The entry screen, messages and responses must not be delayed.

FEATURES TO BE TESTED

- Verify that the entries are of the correct format
- No duplicate entries should be allowed
- All links should take the user to the correct page.

INTEGRATION TESTING:

Software integration testing is the incremental integration testing of two or more integrated software components on a single platform to produce failures caused by interface defects.

The task of the integration test is to check that components or software applications, e.g. components in a software system or – one step up – software applications at the company level – interact without error.

ACCEPTANCE TESTING:

User Acceptance Testing is a critical phase of any project and requires significant participation by the end user. It also ensures that the system meets the functional requirements.

TEST CASE ID	SCENARIO TO TEST	ACTION	EXPECTED RESULT	ACTUAL RESULT	STATUS
TEST_CASE _1	Log in to website as user or administrator	1. Open login page (either user or administrator) 2. Enter valid username and password. 3. Click on the button to log in.	Should accept valid username and password entered by the user or the administrator and should redirect to respective pages.	Log in to account on the website is successful. Administrator – redirected to admin section. User – redirected to login page.	Pass
TEST_CASE _2	Log in to website	1. Open login page (either user or administrator) 2. Enter invalid username and	Should not accept invalid username. Error message should be displayed.	Error message is displayed.	Pass

		valid password. 3. Click on the button to log in.			
TEST_CASE _3	Log in to website	1. Open login page (either user or administrator) 2. Enter valid username and invalid password. 3. Click on the button to log in.	Should not accept invalid password. Error message should be displayed.	Error message is displayed.	Pass
TEST_CASE _4	Log in to website	1. Open login page (either	Should not accept invalid username or	Error message is displayed.	Pass

		<p>user or administrator)</p> <p>2. Enter invalid username and invalid password.</p> <p>3. Click on the button to log in.</p>	<p>invalid password.</p> <p>Error message should be displayed.</p>		
TEST_CASE_5	Registration for user	<p>1. Click the Registration tab from the menu.</p> <p>2. Enter valid details.</p>	<p>User account should be created.</p> <p>A mail is sent to the specified email address.</p>	User account is created.	Pass

		3. Click on Submit button.			
TEST_CASE_6	Registration for user	1. Click the Registration tab from the menu. 2. Enter invalid details or keep the fields empty. 3. Click on Submit button.	Validation error message should be displayed.	Validation error message is displayed.	Pass
TEST_CASE_7	Add hotel	1. Log in to admin account.	Hotel, along with hotel information should be added and	Hotel is added and viewable to the user upon similar input.	Pass

		<p>2. Click on ADD HOTEL</p> <p>3. Enter valid details.</p> <p>3. Click on submit button</p>	<p>viewable to user if user gives a matching input.</p>		
TEST_CASE _8	Add hotel	<p>1. Log in to admin account.</p> <p>2. Click on ADD HOTEL</p> <p>3. Enter invalid details or keep fields empty.</p>	<p>Validation error message should be displayed.</p>	<p>Validation error message is displayed.</p>	Pass

		3. Click on submit button.			
TEST_CASE_9	Hotel search	1. Fill all the valid details. 2. Click on Search button	All hotels matching the location specified by the user should be displayed.	All hotels matching the location specified by the user are displayed.	Pass
TEST_CASE_10	Hotel search	1. Fill invalid details. 2. Click on Search button	If the location specified by the user has no matching hotels, then a message pop	Validation error message is displayed / the message pop up is displayed as	Pass

			up should be displayed or a validation error message should be displayed	'No hotels at this location found'	
TEST_CASE_11	Restaurant search	1. Fill all the valid details. 2. Click on Search button	All restaurants matching the location specified by the user should be displayed.	All restaurants matching the location specified by the user are displayed.	Pass
TEST_CASE_12	Restaurant search	1. Fill invalid details.	If the location specified by the user has no	Validation error message is displayed /	Pass

		2. Click on Search button	matching restaurant, then a message pop up should be displayed or a validation error message should be displayed	the message pop up is displayed as 'No restaurant at this location found'	
TEST_CASE_13	Add restaurant	1. Log in to admin account. 2. Click on ADD RESTAURANT 3. Enter valid details.	Restaurant, along with hotel information should be added and viewable to user if user gives a	Restaurant is added and viewable to the user upon similar input.	Pass

TEST_CASE _14	Add restaurant	<p>3. Click on submit button.</p> <p>1. Log in to admin account.</p> <p>2. Click on ADD RESTAURANT</p> <p>3. Enter invalid details or keep fields empty.</p> <p>3. Click on submit button.</p>	<p>matching input.</p> <p>Validation error message should be displayed.</p>	<p>Validation error message is displayed.</p>	Pass
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TEST_CASE _15	Various reports	1. Click on any REPORT button.	A report should be displayed if it isn't empty.	A report is displayed.	Pass
TEST_CASE _16	Various reports	1. Click on any REPORT button.	A pop-up message box should be displayed if the report chosen to display is empty.	A pop-up message box is displayed as 'The report is empty.'	Pass
TEST_CASE _17	Feedback	1. After booking, a feedback form is displayed. 2. Enter valid details.	As booking is made, naturally, the user is logged in. So, he/she should be able to provide feedback.	The user is able to provide a feedback	Pass.

		3. Click on submit button.			
TEST_CASE_18	Feedback	1. Search hotel/restaurant. 2. Compare hotel/restaurant. 3. Book hotel by clicking on BOOK button.	The feedback form shouldn't pop up because the user hasn't booked any hotel/restaurant because the user isn't logged in.	The feedback form is not displayed as the user has not booked any hotel/restaurant because he/she isn't logged in.	Pass

4.1 USER MANUAL

User Manual is a technical communication document intended to give assistance to people using a particular system. It is usually written by a technical writer, although user guides are written by programmers, project managers, or other technical staff.

The system users are:

- i. Admin
- ii. Users / Customers

A) Admin & User Home Page

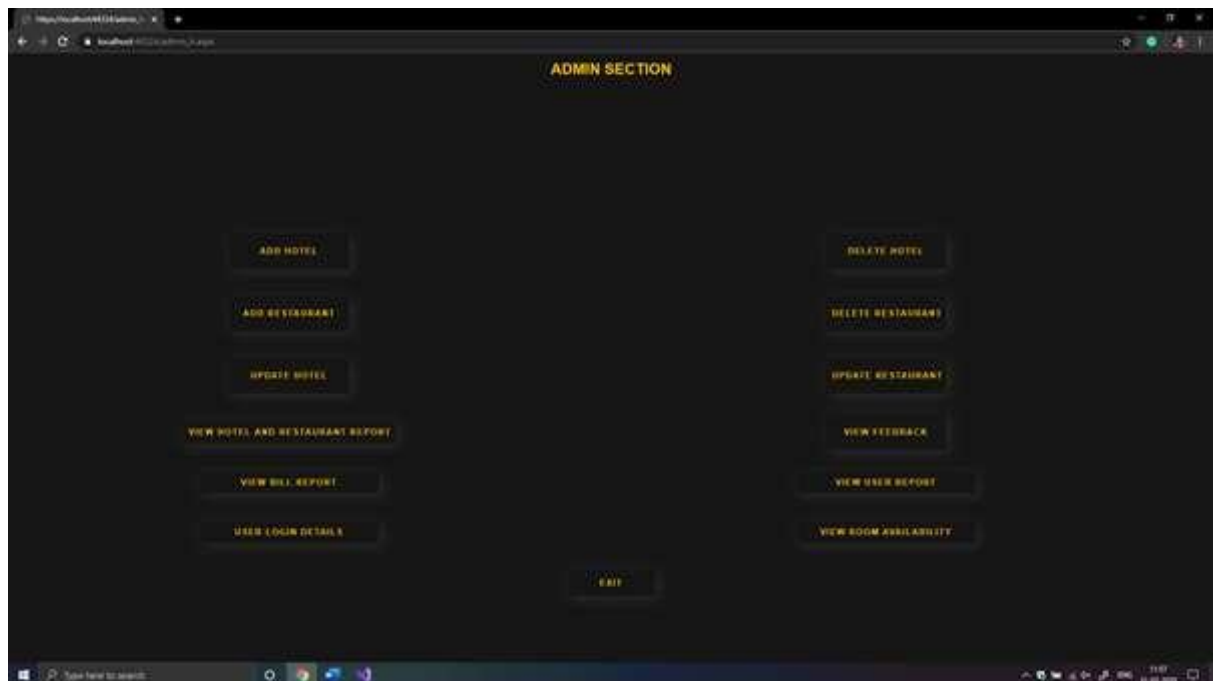
This is a home page of “**TR.EAT**” for Admin as well as the user. The admin can browse to Admin section by logging in as the admin.



This is the **admin home page** where in the admin can do the following:

- 1) Add hotel
- 2) Delete hotel
- 3) Add restaurant
- 4) Delete restaurant
- 5) Update hotel
- 6) Update restaurant
- 7) View hotel and restaurant information

- 8) View feedback
- 9) View bill report
- 10)View user information (report)
- 11)User login details
- 12) View room count and add rooms



This is the **customer home page** where in the admin can do the following:

- 1) Browse for various hotels of various locations.
- 2) Browse for various restaurants of various locations.
- 3) Register with the website
- 4) Login to book a hotel room / restaurant.
- 5) Provide feedback.
- 6) View profile.
- 7) Contact the company.
- 8) Know about the company.
- 9) View hotel/restaurant information



B) LOGIN AS AN ADMIN:

This page grants access to the owner(s) of the website/company administrator.

An admin can log in by providing the appropriate login id and password to access all the operations that he/she can perform.

Only admins can add/update/delete the hotels & restaurants and can also view various types of reports and feedback.

C) REGISTER AS A CLIENT:

A user can browse the website to almost a complete extent and if he/she wishes to join, can then register with the website. If they are already our users, they can simply login to book a hotel or a restaurant service.

New users would have to register in order to book a hotel or a restaurant.

D) LOGIN AS A USER/CUSTOMER:

Logging in as a user/customer will help the use to log in to the website and view his/own profile, feedbacks given, previous bookings and also, make new bookings and contact us in case of any queries. They can also provide feedbacks.

E) FEEDBACK:

This page works as a form for the customer to give their opinions or views regarding the services provided by the hotel/restaurant.

This includes room service, quality of food, value for money experience and amenities chosen. This feedback will be shared by the customer to the owner of the service provider.

This feedback will work well for the admin to forecast the better plan for the system and services. Improvements in the systems and facilities will be taken into consideration.

4.2 OPERATIONS MANUAL

Operations Manual guides the users of the system to perform the functions of the system.

Operations Manual contains the detailed information of sequence of instructions to make use of certain function of the system.

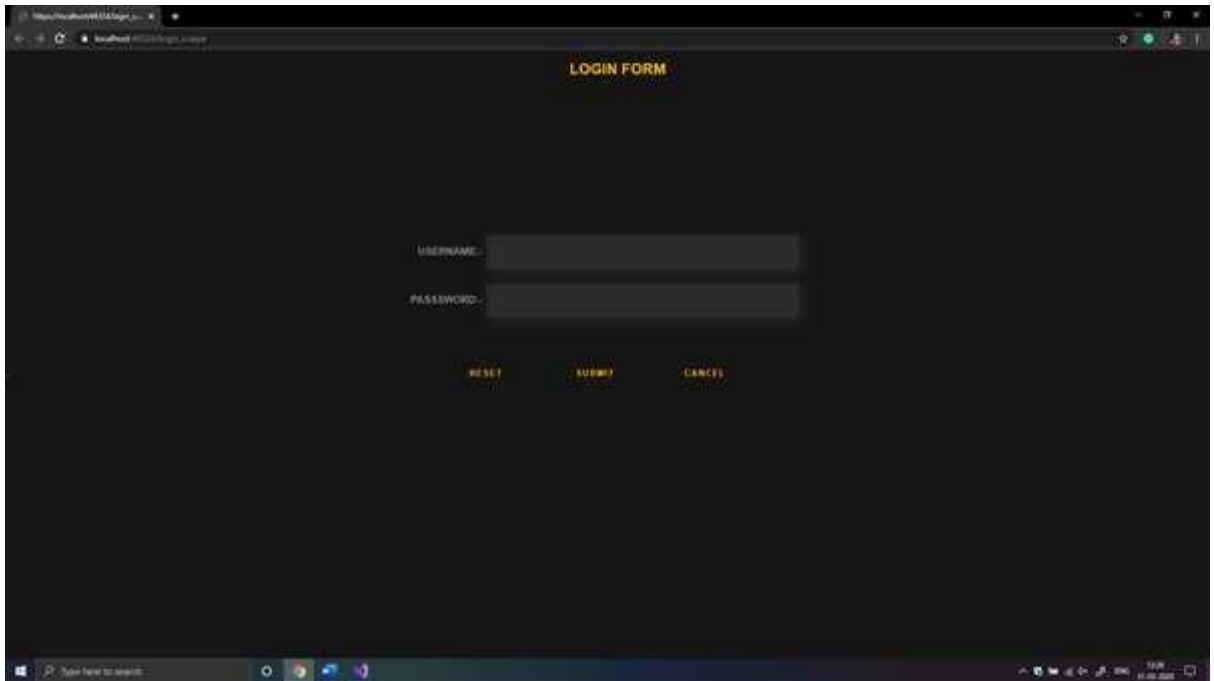
The **operations manual** is the documentation by which an organisation provides guidance for members and employees to perform their functions correctly and reasonably efficiently. It documents the approved standard procedures for performing operations safely to produce goods and provide services. Compliance with the operations manual will generally be considered as activity approved by the persons legally responsible for the organization.

The operations manual is intended to remind employees of how to do their job.

A) LOGIN (ADMIN/USER)

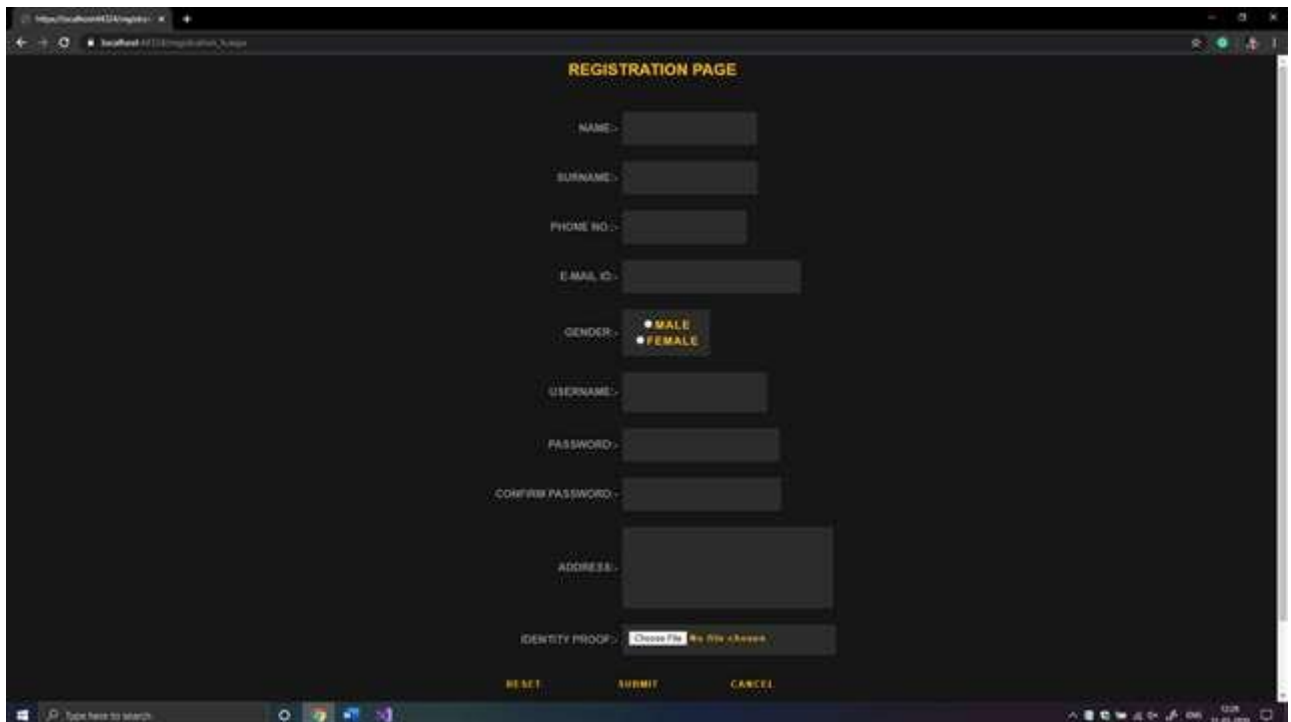
This is the common login page for all the users i.e. An admin and/or a user/customer of the system.





B) USER REGISTRATION

This page is where the customer can register with the website to make desired bookings.



The image shows a web browser window displaying a registration page. The page title is "REGISTRATION PAGE". The form contains the following fields and controls:

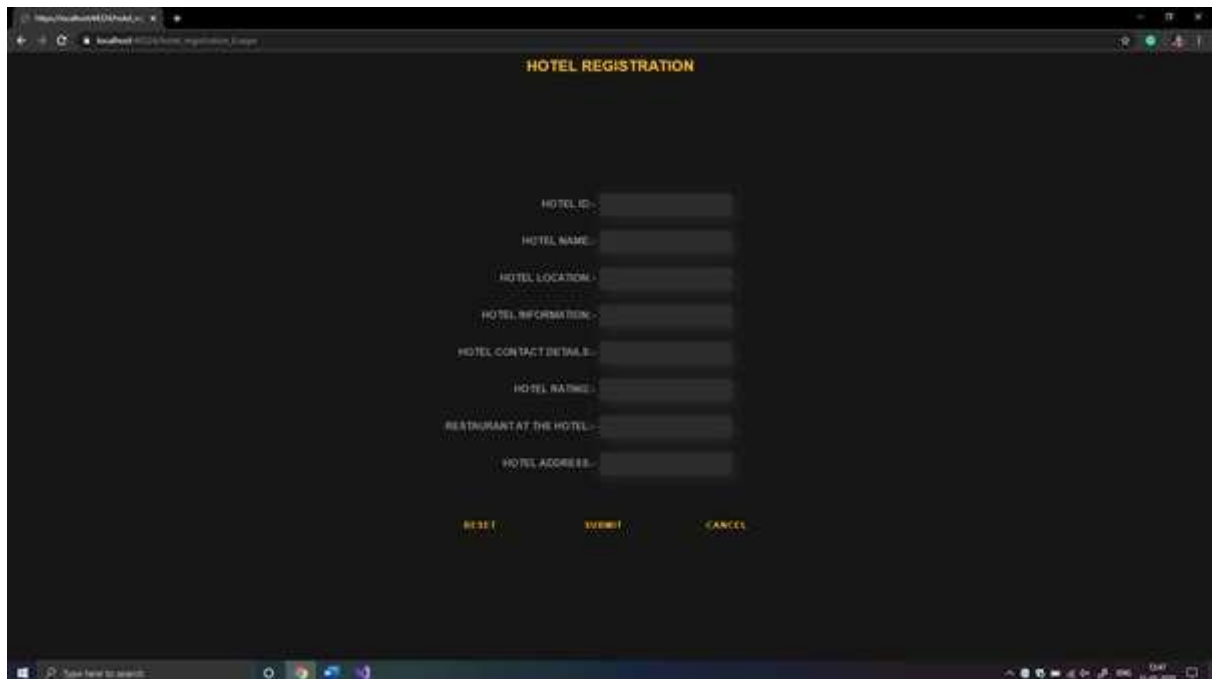
- NAME: [Text Input]
- SURNAME: [Text Input]
- PHONE NO: [Text Input]
- E-MAIL ID: [Text Input]
- GENDER: [Radio Button] MALE [Radio Button] FEMALE
- USERNAME: [Text Input]
- PASSWORD: [Text Input]
- CONFIRM PASSWORD: [Text Input]
- ADDRESS: [Text Input]
- IDENTITY PROOF: [File Upload Button] Choose File [Reset] [Cancel]

At the bottom of the form, there are three buttons: RESET, SUBMIT, and CANCEL.

C) ADMIN SECTION

An Administrator can perform the following tasks:

1) ADD HOTEL

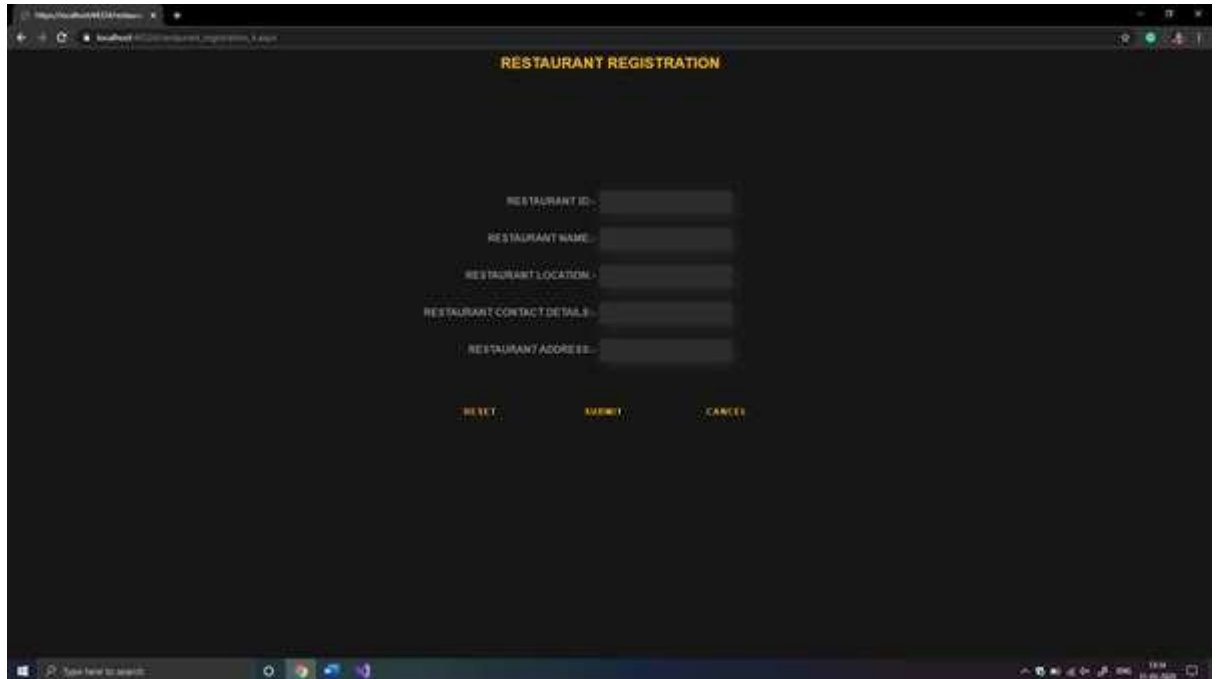


The screenshot displays a web browser window with the URL `localhost:4000/home/registration/Enter`. The page title is "HOTEL REGISTRATION". The form contains the following fields:

- HOTEL ID:
- HOTEL NAME:
- HOTEL LOCATION:
- HOTEL INFORMATION:
- HOTEL CONTACT DETAILS:
- HOTEL RATING:
- RESTAURANT AT THE HOTEL:
- HOTEL ADDRESS:

At the bottom of the form, there are three buttons: "RESET", "SUBMIT", and "CANCEL". The browser's taskbar at the bottom shows the system tray with the date and time "SAT 11:45:00".

2) ADD RESTAURANT

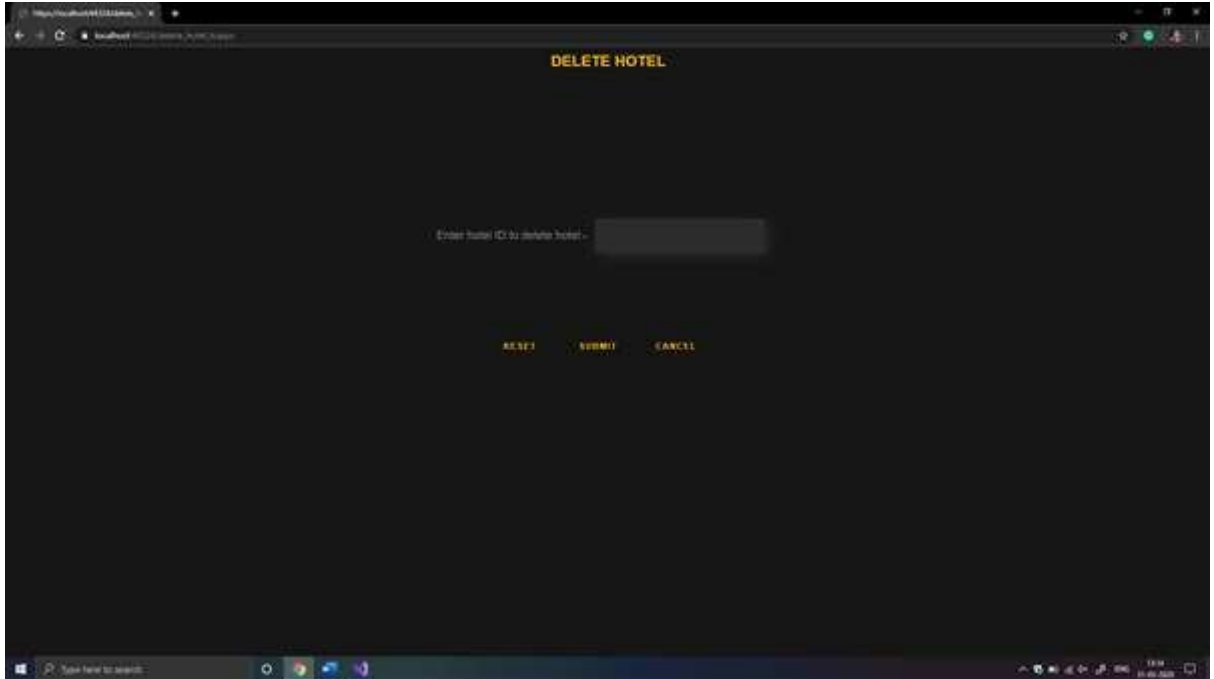


The image shows a web browser window with a dark theme. The page title is "RESTAURANT REGISTRATION". The form contains the following fields and buttons:

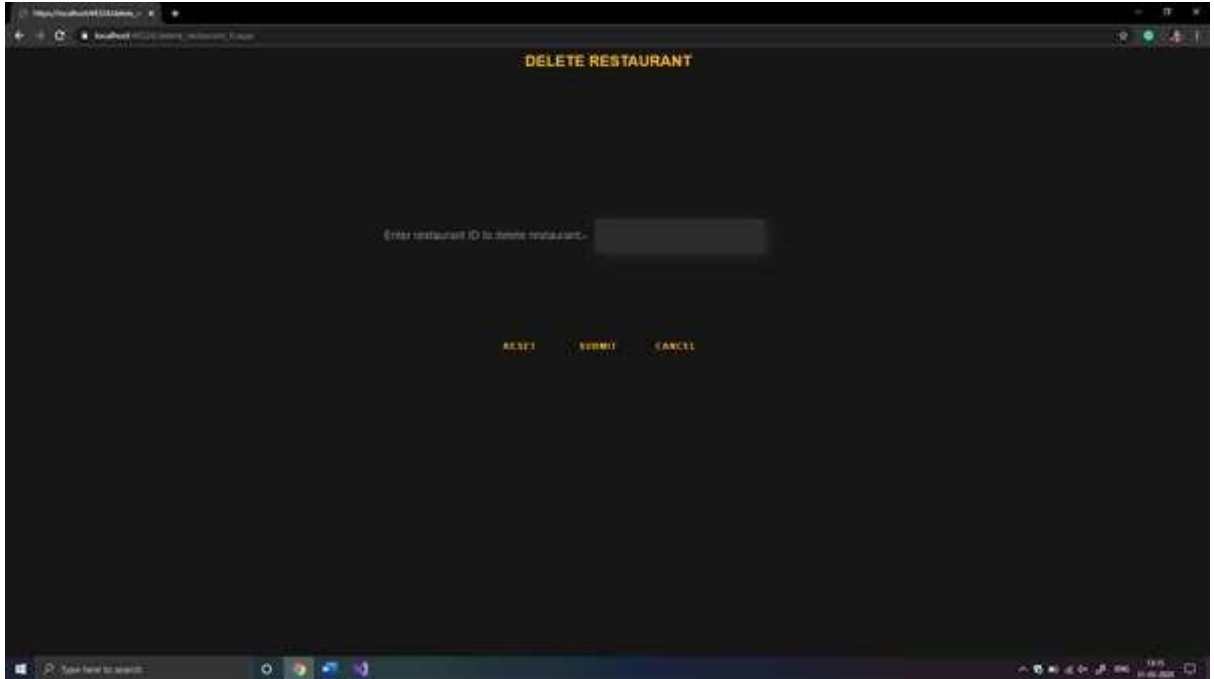
- RESTAURANT ID: [input field]
- RESTAURANT NAME: [input field]
- RESTAURANT LOCATION: [input field]
- RESTAURANT CONTACT DETAILS: [input field]
- RESTAURANT ADDRESS: [input field]
- Buttons: RESET, SUBMIT, CANCEL

The browser's address bar shows "localhost:4200/restaurant/registration/1/edit". The Windows taskbar at the bottom shows the search bar and system tray with the time 11:44 on 11/26/2024.

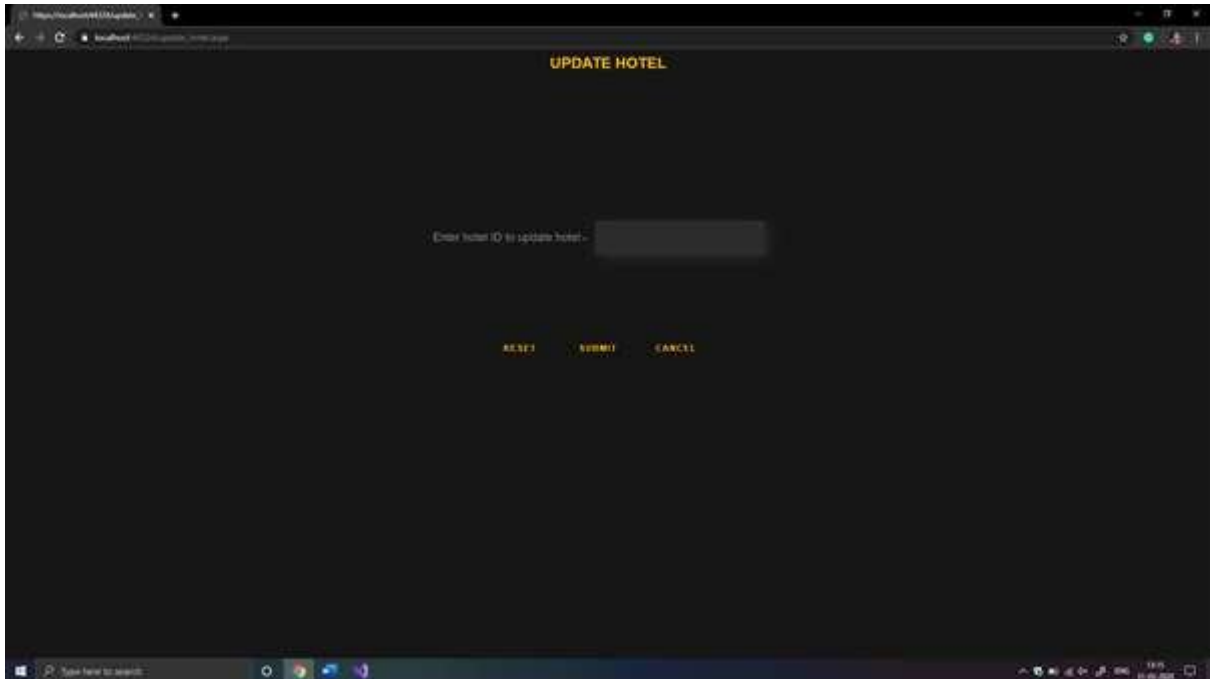
3) DELETE HOTEL



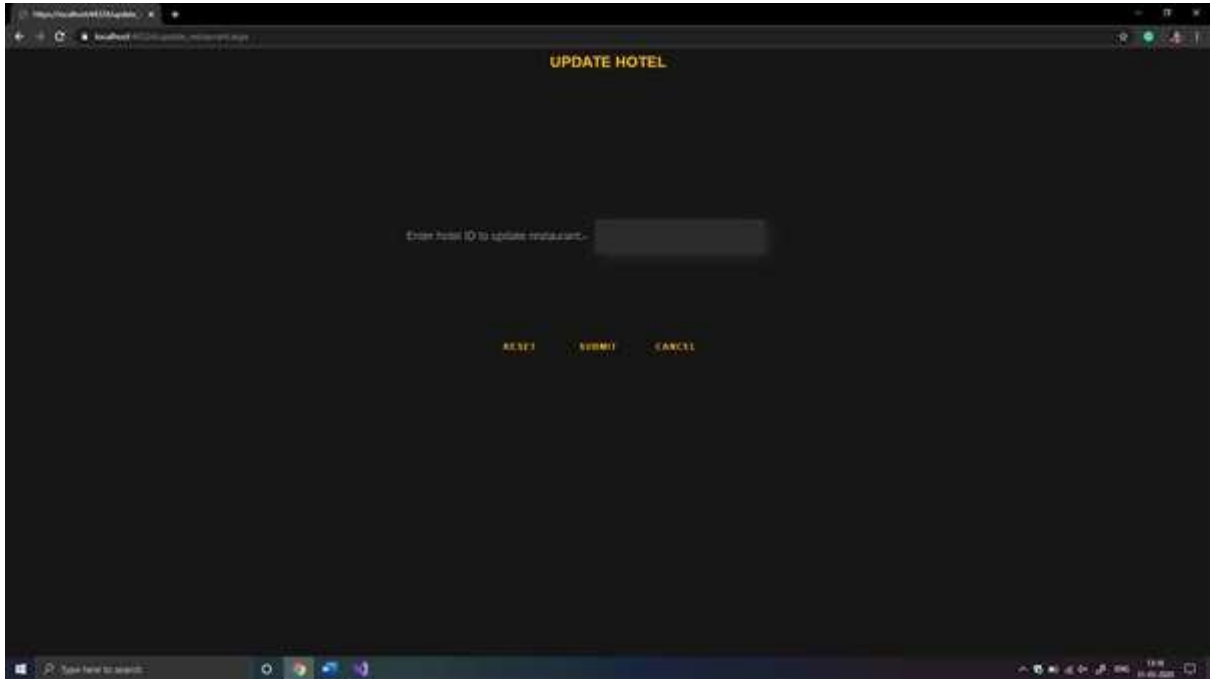
4) DELETE RESTAURANT



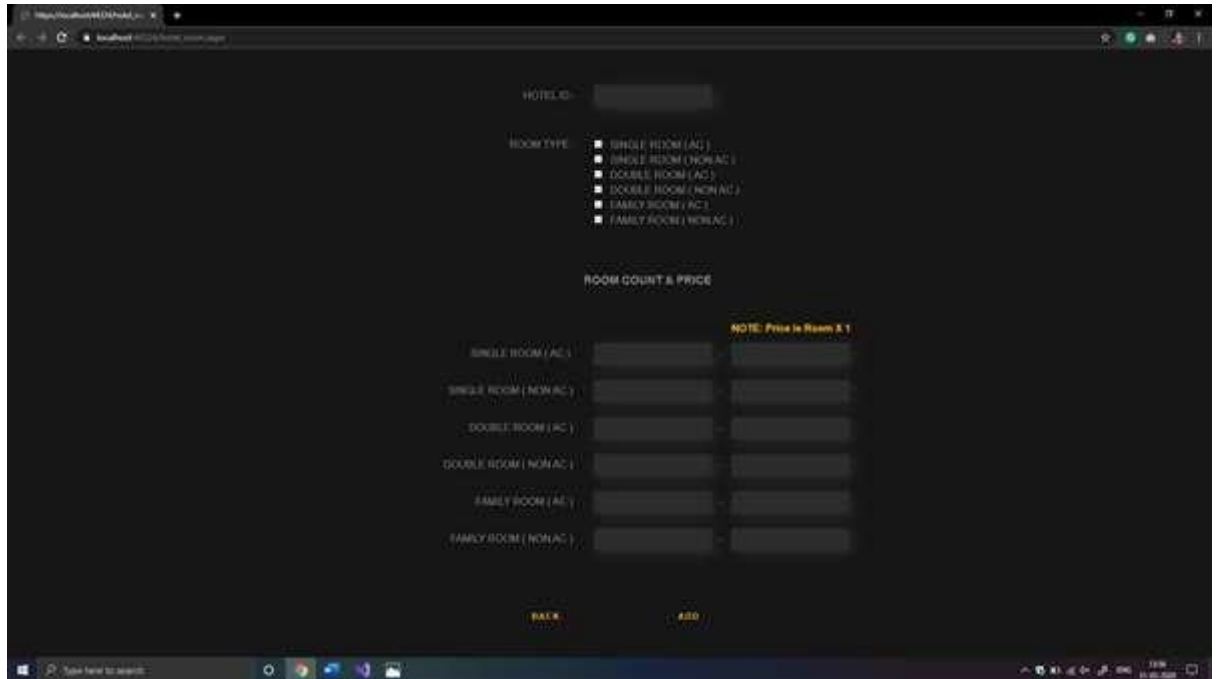
5) UPDATE HOTEL



6) UPDATE RESTAURANT



7) ROOM AVAILABILITY



8) Admin can also view the following:

Hotel and Restaurant report

Feedback

Bill report

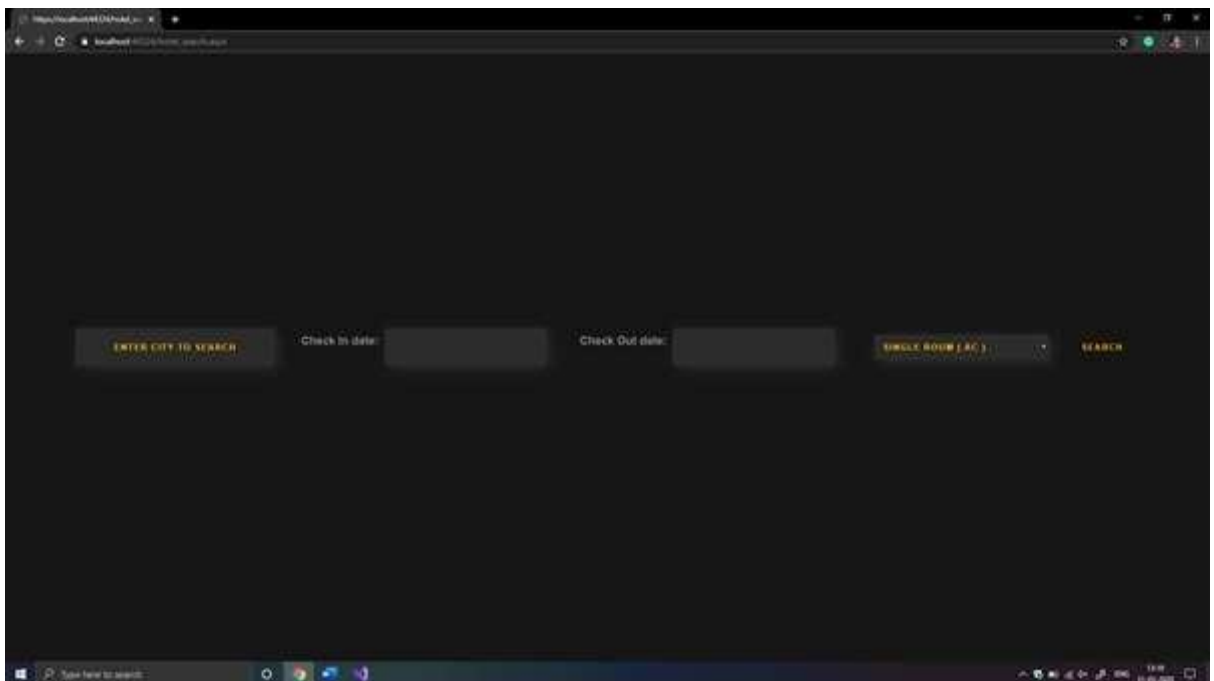
User report

User login details

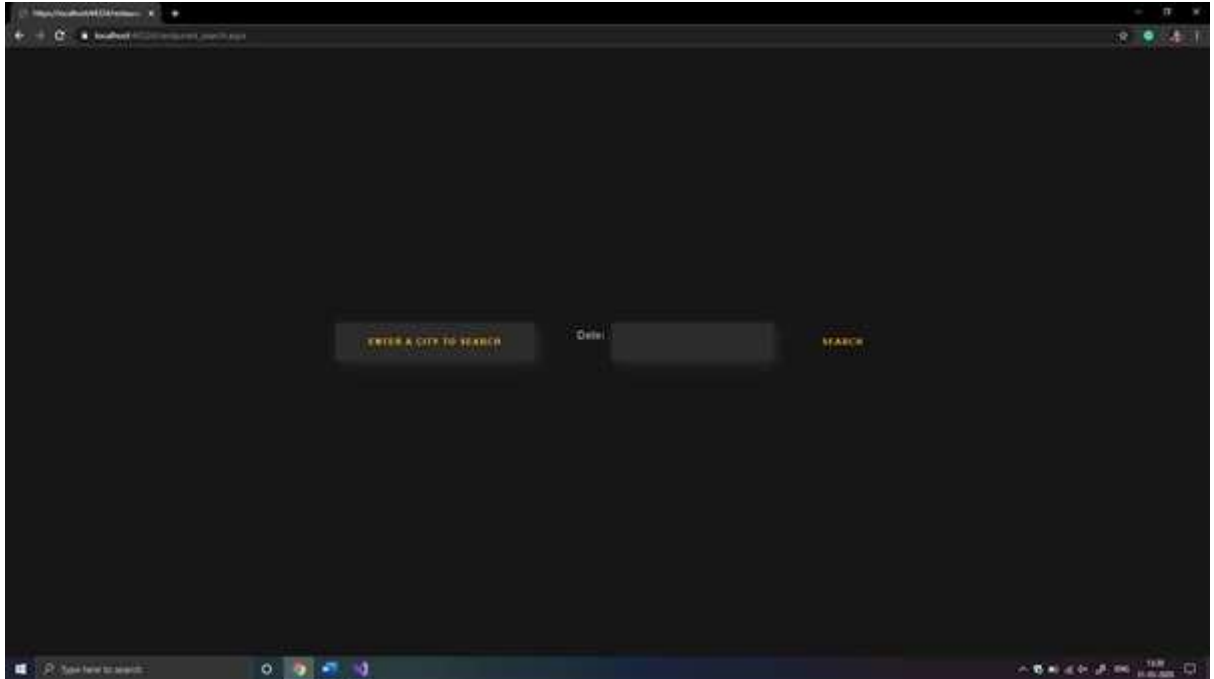
D) USER/CUSTOMER SECTION

A user/customer can interact with the website in the following ways:

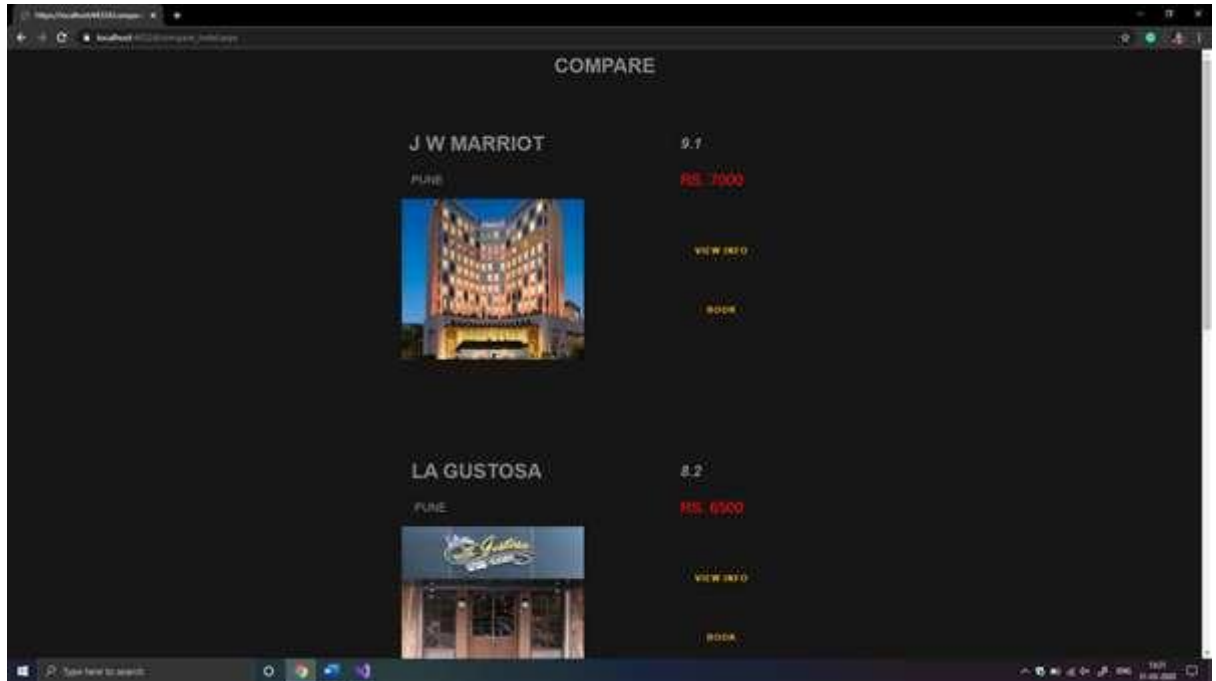
1) HOTEL SEARCH



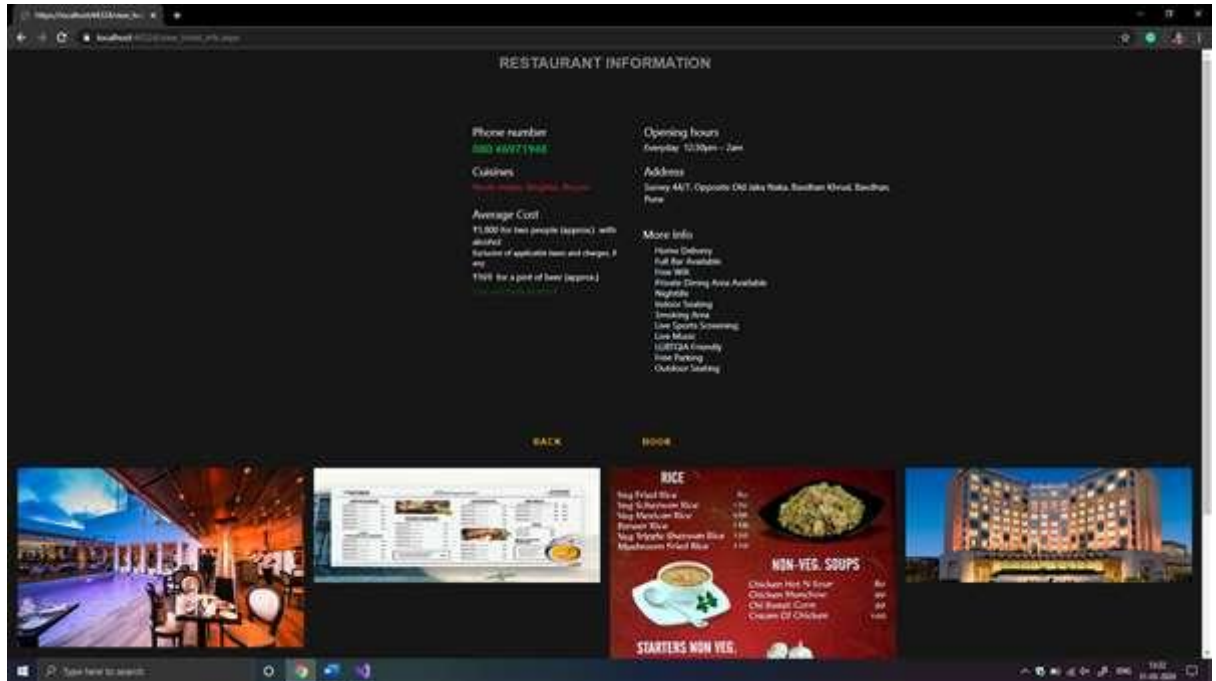
2) RESTAURANT SEARCH



3) COMPARE HOTELS (BASED ON CITY)



4) VIEW HOTEL INFORMATION



5) BOOK HOTEL


BOOKING DETAILS - HOTEL

PHONE NO. 1234567890

NO. ROOMS 2

\$\$\$ 800

BASIC PRICE
ROOM TYPE & ROOM COUNT
NO. OF PEOPLE
TAXES & SERVICE FEES
TOTAL PAYABLE



TRAVELLER INFORMATION

TITLE FIRST NAME LAST NAME

EMAIL NO ROOM TYPE

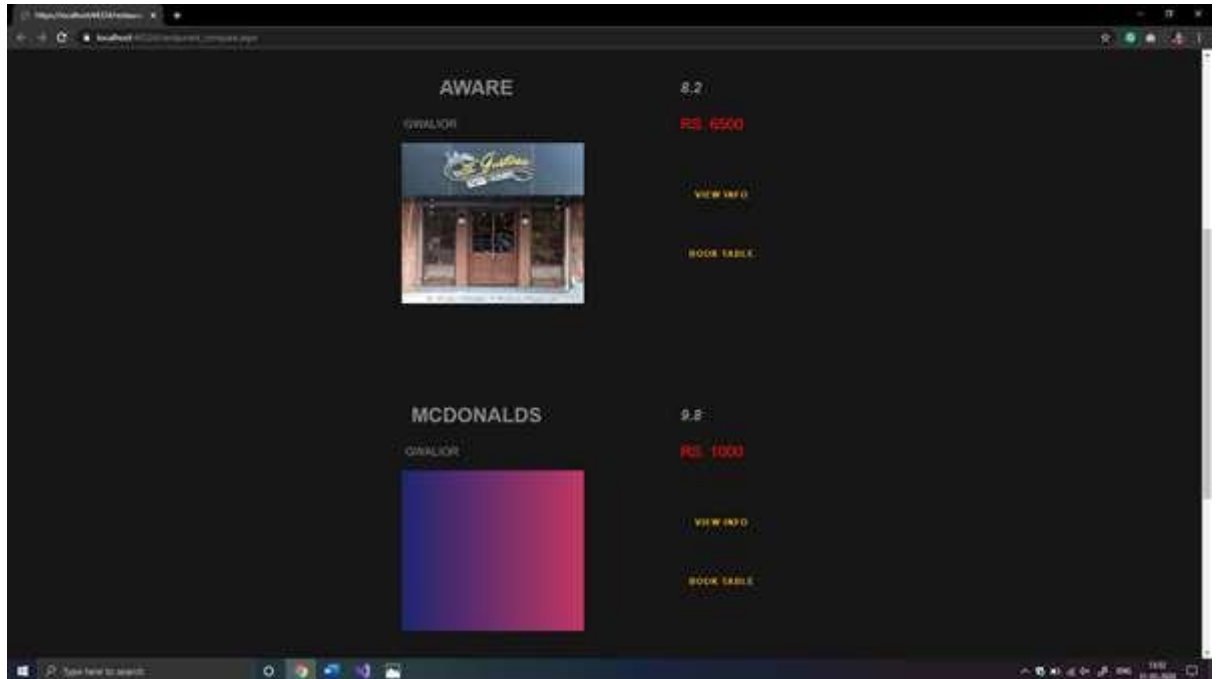
CONTACT NUMBER NO. OF PERSONS

SPECIAL REQUEST

■ NON SMOKING ROOM ■ LATE CHECK-IN ■ EARLY CHECK-IN ■ ROOM ON HIGH FLOOR ■ LARGE BED ■ TWIN BEDS

ANY OTHER REQUEST?

6) COMPARE RESTAURANTS (BASED ON CITY)



7) BOOK TABLE

The screenshot shows a web browser window with the title 'BOOK A TABLE'. The page content includes the restaurant name 'SURUCHI' and a rating of '9.7'. Below this is a section labeled 'DOWALDI' with a price of 'RS. 7000'. A small image of the restaurant's entrance is displayed. The form is divided into two main sections: '1. PLEASE SELECT YOUR BOOKING DETAILS' and '2. ENTER GUEST DETAILS'. Section 1 contains fields for 'Restaurant', 'Number of guests', and 'Date'. Section 2 contains fields for 'First Name', 'Last Name', 'Phone No.', and 'Email No.'. A 'BOOK' button is located at the bottom of the form. The browser's address bar shows 'localhost:3000/book-a-table.html' and the Windows taskbar is visible at the bottom.

BOOK A TABLE

SURUCHI 9.7

DOWALDI RS. 7000

1. PLEASE SELECT YOUR BOOKING DETAILS

Restaurant: Number of guests: Date:

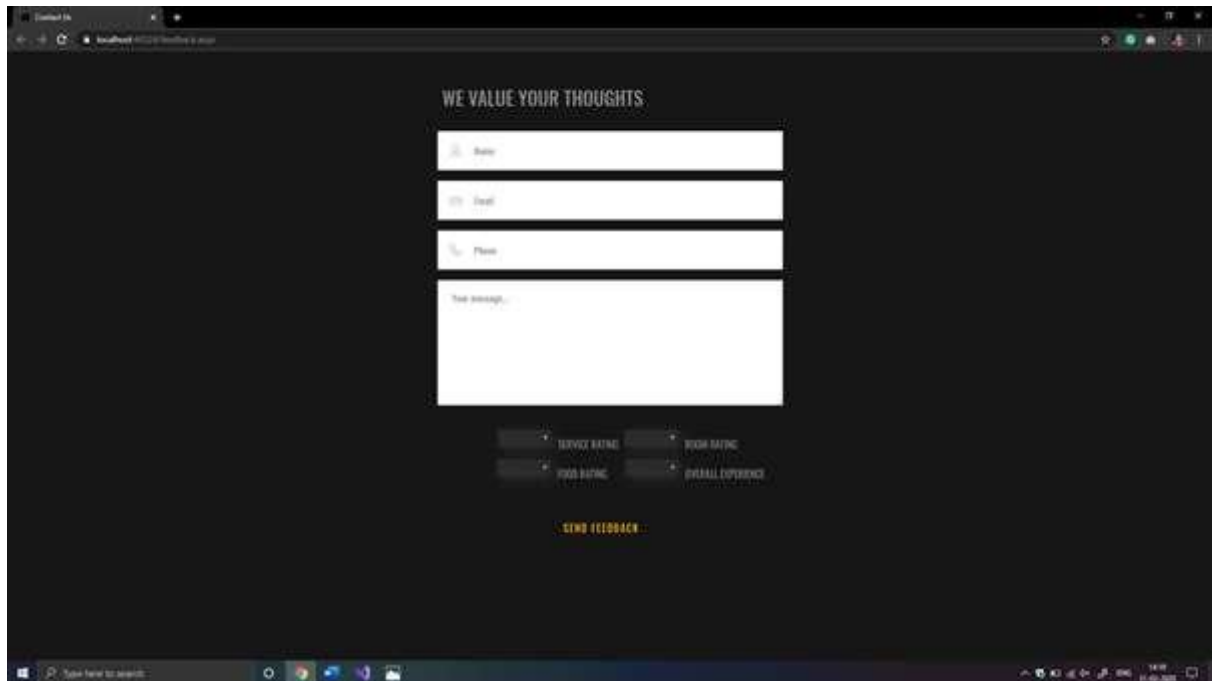
2. ENTER GUEST DETAILS

First Name: Last Name:

Phone No.: Email No.:

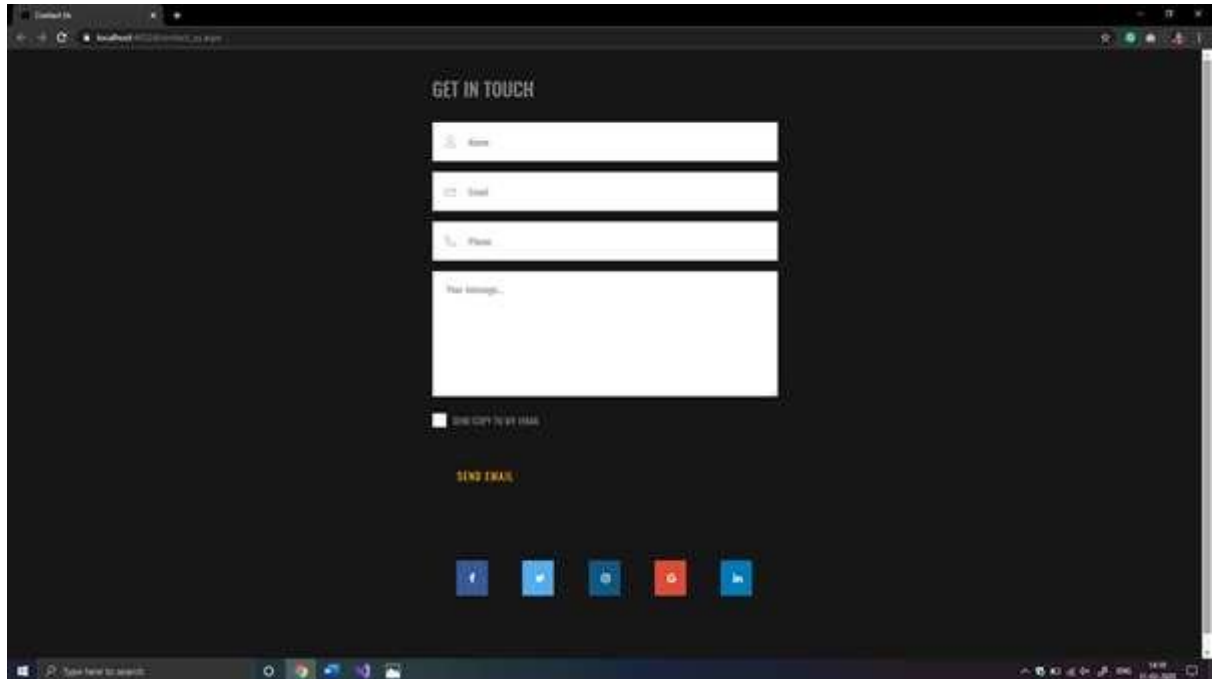
BOOK

8) GIVE FEEDBACK



The screenshot shows a web browser window with a dark background. The main heading is "WE VALUE YOUR THOUGHTS". Below it is a form with four input fields: "Name", "Email", "Phone", and "The message...". At the bottom of the form, there are four star rating icons for "SERVICE RATING", "YOUR RATING", "JOB RATING", and "OVERALL EXPERIENCE". A "SEND FEEDBACK" button is located below the ratings. The browser's address bar shows "localhost:8080/feedback.html". The Windows taskbar is visible at the bottom of the screen.

9) CONTACT US



10) ABOUT US

Hello there and a warm welcome to the TREAT

We've been expecting you! We know what it means to come from a long and long trip and to long for a genuine welcome, a good drink and a comfortable bed to stretch out on. If you enjoy being made at home, you've come to the right place!

OUR MISSION
SHAPING THE FUTURE OF CONVENIENCE

Who are we?

Launched in Pune 6 months ago, TREAT has grown from a home project to becoming a people, hotel and restaurant brand in the world. We are present in 24 countries and 1000+ cities globally, making our vision of better stay at an unknown place for more people. We not only connect people to places and it's customers in every habitat but work closely with restaurants as well as hotels to create a sustainable ecosystem.

OUR CULTURE AND VALUES

At TREAT, we're a little unconventional. We are 500+ people, powered by a shared passion to stay ahead of the game. We are diverse, qualitative and results team of 20 different nationalities, who come together to work towards a common goal.

<p>Resilience</p> <p>We push ourselves beyond our abilities when faced with tough times. When we know uncertainty, we address it only with flexibility.</p>	<p>Acceptance</p> <p>Feedback is never taken personally, we break it into positive pieces and strive to work on each and every element from inside effectively.</p>	<p>Ownership</p> <p>People here don't work for TREAT, they work with TREAT. We find every problem as our own, take accountability and drive the change.</p>
<p>Humility</p> <p>It's always "no, not, no". We don't lose customers to pride or confidence during individual successes, but focus on being our simple selves in every which way.</p>	<p>Spark</p> <p>We believe in, stand for and are evangelists of our culture - both within TREAT and it's not our abilities that show others how we are. It's our choices. We aim to get them right, at least in the majority of the cases.</p>	

We've grown a lot since we started

... still way 1% done

COME ON IN, WE'RE HERE TO MAKE YOU FEEL GOOD!

4.3 PROGRAM SPECIFICATIONS

Module	Program Name	Constraint	Description
Authentication	Login. Details should be valid.	The required fields must not be null.	For an administrator or a user, a login form is given to access the application/access administrator only operations/for users to make bookings.

Module	Program Name	Constraint	Description
User/Custom er	1. User Registrati on.	Customer informatio n should be provided. All hotel	Any user can register to make bookings.
	2. Hotel booking.	informatio n should be provided. All	Upon booking, booking confirmation is sent.
	3. Restauran t booking.	n should be provided. For	Upon booking, booking confirmation is sent.
	4. Hotel compariso n. n.	compariso n, Location,	Hotels based on location

	5. Feedback	Check in date and check out date should be mentioned. Need to fill entire form.	are displayed. Feedback is given by user.
--	-------------	---	---

Module	Program Name	Constraint	Description
Administrator	1. Add /update/delete hotel.	Valid data should be given as input. No fields should be empty.	Hotels are added, updated or deleted by the admin.

	<p>2. Add/update /delete restaurant.</p> <p>3. Bill report</p> <p>4. Various reports</p>	<p>Valid data should be given as input. No fields should be empty.</p> <p>Booking must be selected.</p> <p>Choices of various reports are displayed.</p>	<p>Restaurants are added, updated or deleted by the admin.</p> <p>Can view bill report for better analysis.</p> <p>Report gets generated according to choice.</p>
--	--	--	---

Module	Program Name	Constraint	Description
Report	Generate Overall Report of system in different type.	The required fields must not be null and data should be valid.	It is used to track overall progress and get data of system.

DRAWBACKS & LIMITATIONS

- As the database is large, it requires multiple administrators to keep it up to date.
- Though all validations are done, the website needs to be more secure when it comes to the payment.
- Website faces downtime while upgrading or maintenance of the website.
- User must have an email account and good internet connection.
- No standby for website when it is down.

PROPOSED ENHANCEMENTS

- It can still be scaled up to multiple hotels and restaurants in various countries.
- Other services like transport booking, planning a trip, food ordering services, etc. can be added.
- Online Check in facility can be added i.e. Online room selection.
- System can be deployed to cloud database.
- Enhancing the search algorithm for various hotels and restaurants.
- A proprietary payment gateway can be developed and implemented. Right now, payment is done via 3rd party payment gateway vendors like PayPal.

CONCLUSIONS

Working on the project was a good experience. I understand the importance of Planning and designing as a part of software development. Developing the project has helped us some experience on real-time development Procedures. The project made me realize the significance of developing software for client, where the sole aim is to learn.

During the project, the real importance for following all principle of System Analysis and Design dawned on me. I felt the necessity of going through the several stages because only such a process could make one understand the problem at data stored involved in their manipulations.

As we know, any project even on completion requires constant improvement and changes which gives way to release a new version. The application is made keeping in mind, the aesthetic needs of a user and its easiness to use.

The website is developed through ASP.NET, JavaScript, HTML/CSS and MySQL which is widely used for web application development and its use is gradually increasing with time

BIBLIOGRAPHY

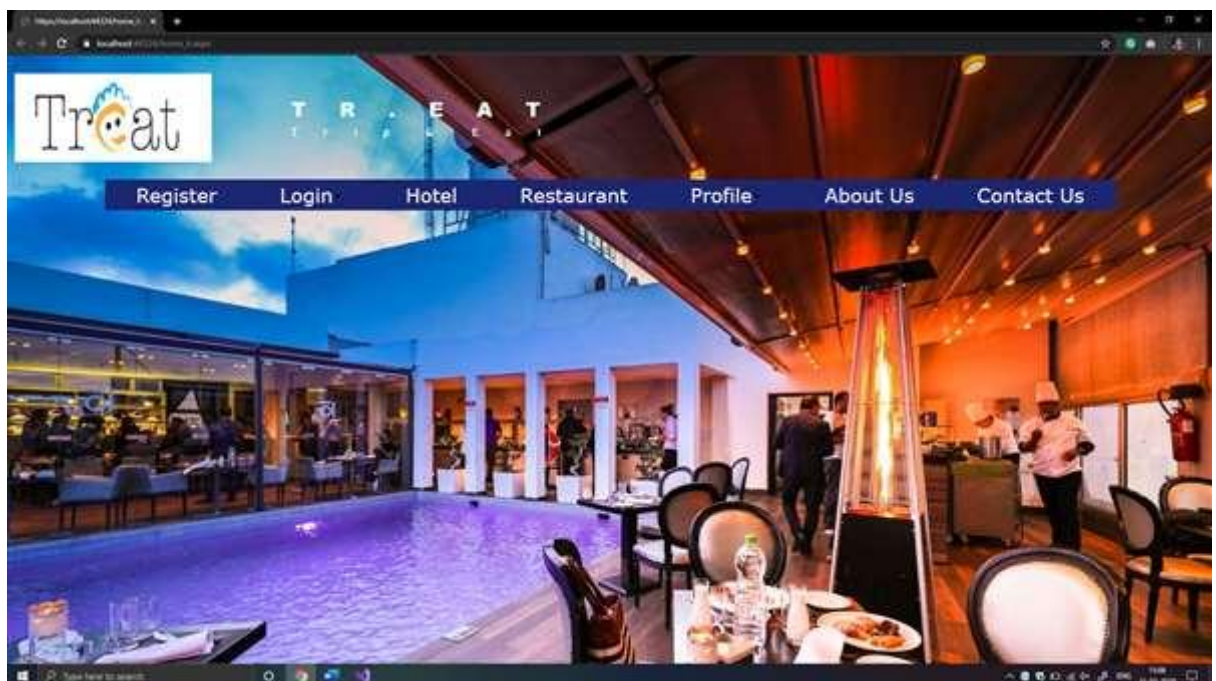
SITES

- <https://www.w3schools.com>
- <https://stackoverflow.com>
- <https://www.tutorialspoint.com>
- <https://dotnet.microsoft.com>

BOOKS

- Microsoft ASP.NET 4.0 Step by Step - George Shepherd,
Microsoft Press
- ASP.net – The Complete Reference- Tata McGraw Hill
- HTML for the World Wide Web with XHTML and CSS

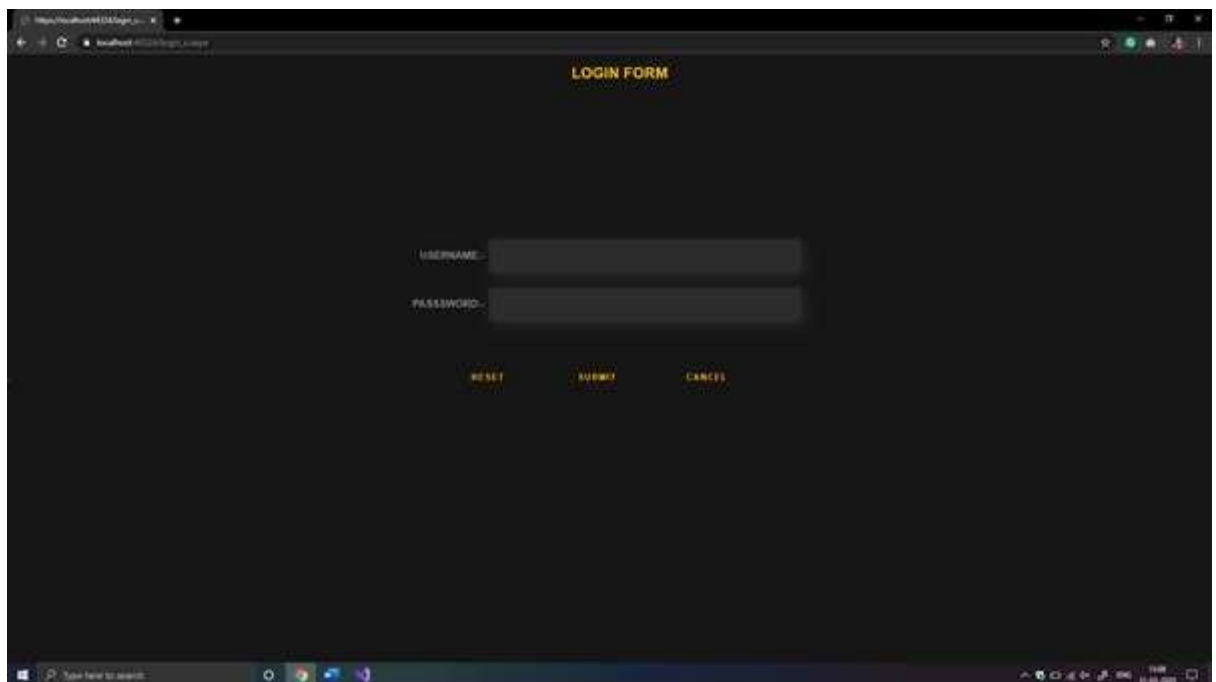
1) HOME PAGE (for USER and ADMIN)



Choose between Admin or user login

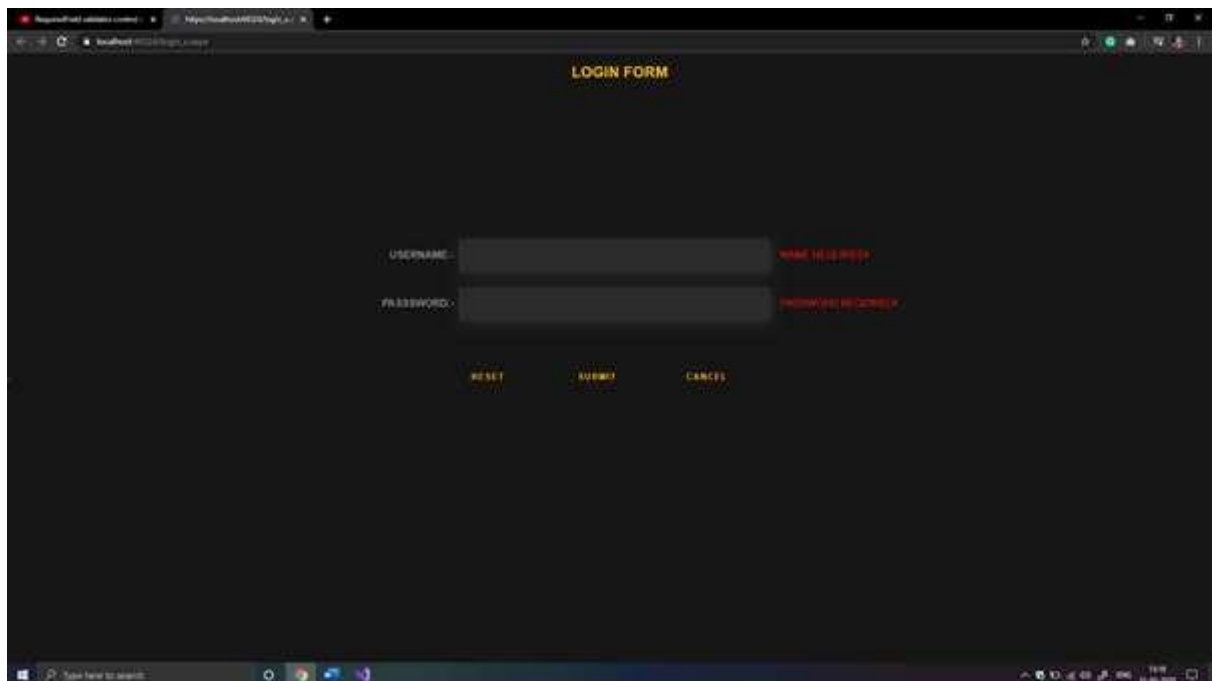


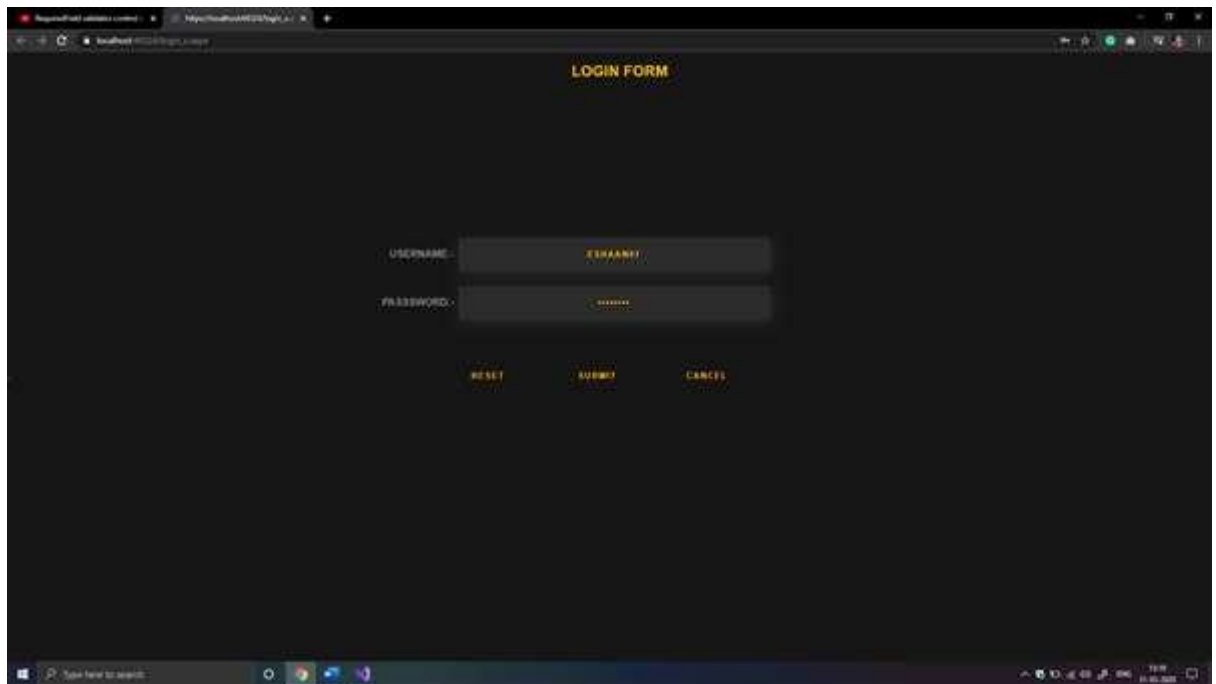
1) USER LOGIN



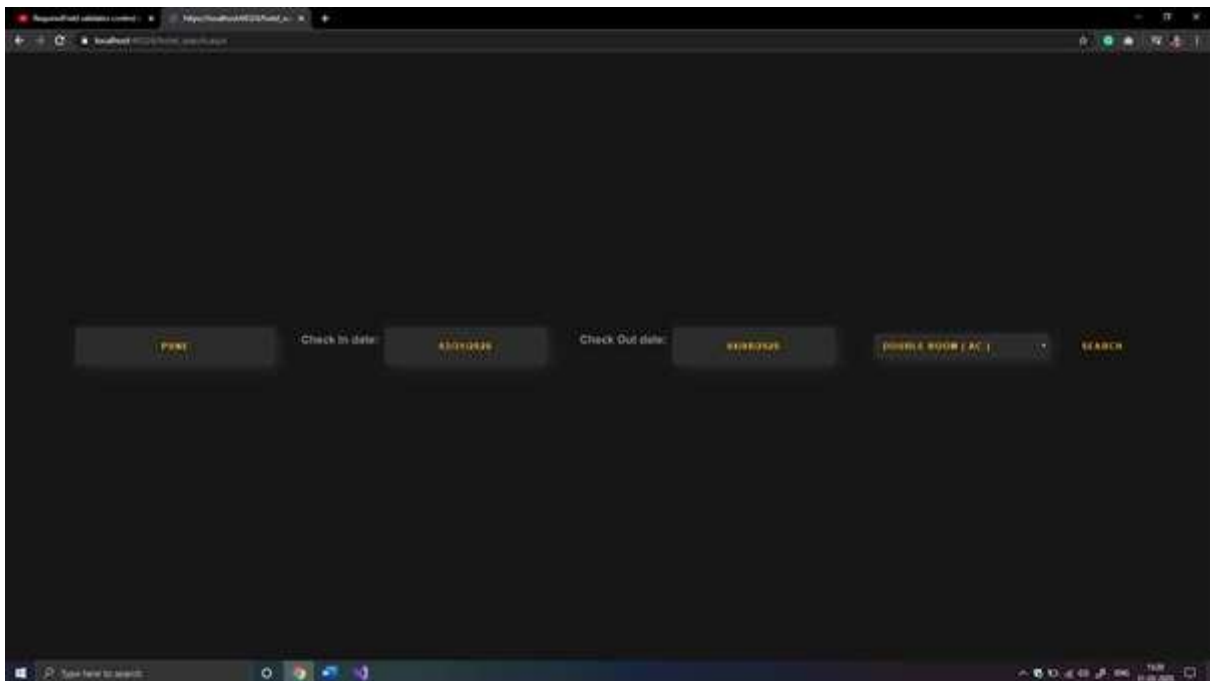
The image shows a screenshot of a web browser displaying a login form. The browser's address bar shows a local file path: `localhost:4173/login.html`. The page title is "LOGIN FORM". The form consists of two input fields: "USERNAME" and "PASSWORD". Below the input fields are three buttons: "RESET", "SUBMIT", and "CANCEL". The browser's taskbar at the bottom shows the Windows logo, a search bar, and several application icons. The system tray in the bottom right corner shows the date and time as "10/11/2023 11:43:52 AM".

With validation

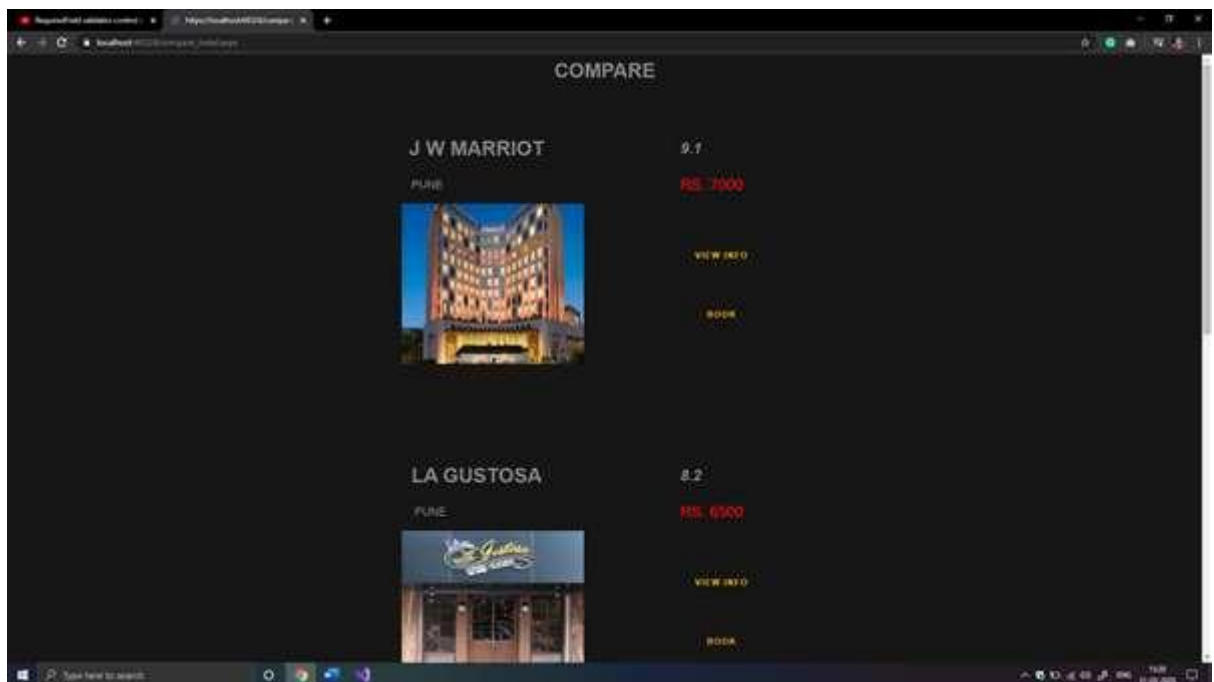




Hotel search



Hotel search results



View hotel info

RESTAURANT INFORMATION

Phone number
880 4977 1948

Cuisines
North Indian, Bengali, Bhojpur

Average Cost
₹1,800 for two people (approx.) with alcohol
Excludes of applicable taxes and charges, if any.
₹1500 for a pint of beer (approx.)

Opening hours
Everyday 12:30pm - 2am

Address
Sunway 437, Opposite Old Lake Hotel, Southern Wood, Bandra, Pune

More Info
Home Delivery
Full Bar Available
Free WiFi
Private Dining Area Available
Reservations
Wheelchair Accessible
Smoking Area
Live Sports Streaming
Live Music
VEGETARIAN Friendly
Tiger Friendly
Outdoor Seating

BACK **BOOK**

RICE

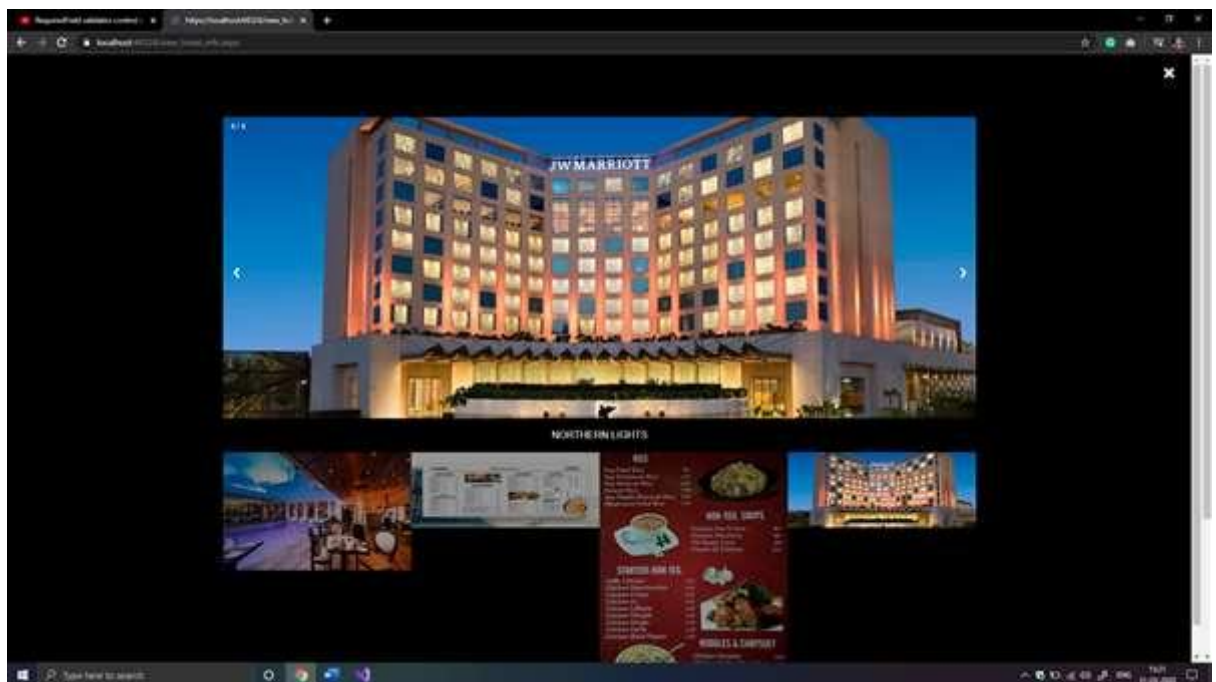
Reg. Fried Rice	Rs. 150
Reg. Spicy Rice	150
Reg. Mushroom Rice	150
Reg. Veg. Rice	150
Reg. Veg. Spicy Rice	150
Reg. Veg. Spicy Rice	150

NON-VEG. SOUPS

Chicken Hot Oyster	Rs. 150
Chicken Mushroom	150
Ch. Baked Corn	150
Cream of Chicken	150

STARTERS NON-VEG.

View gallery



Book hotel

BOOKING DETAILS - HOTEL

PERSONAL INFORMATION

PHONE:


ROOM TYPE & ROOM COUNT: ROOM COUNT:

BASE PRICE: ₹ 3000

NO. OF PEOPLE: 2

TAXES & SERVICES FEE: ₹ 40.00

TOTAL PAYABLE: ₹ 3040.00



TRAVELLER INFORMATION

TITLE: FIRST NAME: LAST NAME: GENDER:

EMAIL ID: ROOM TYPE: ROOM COUNT:

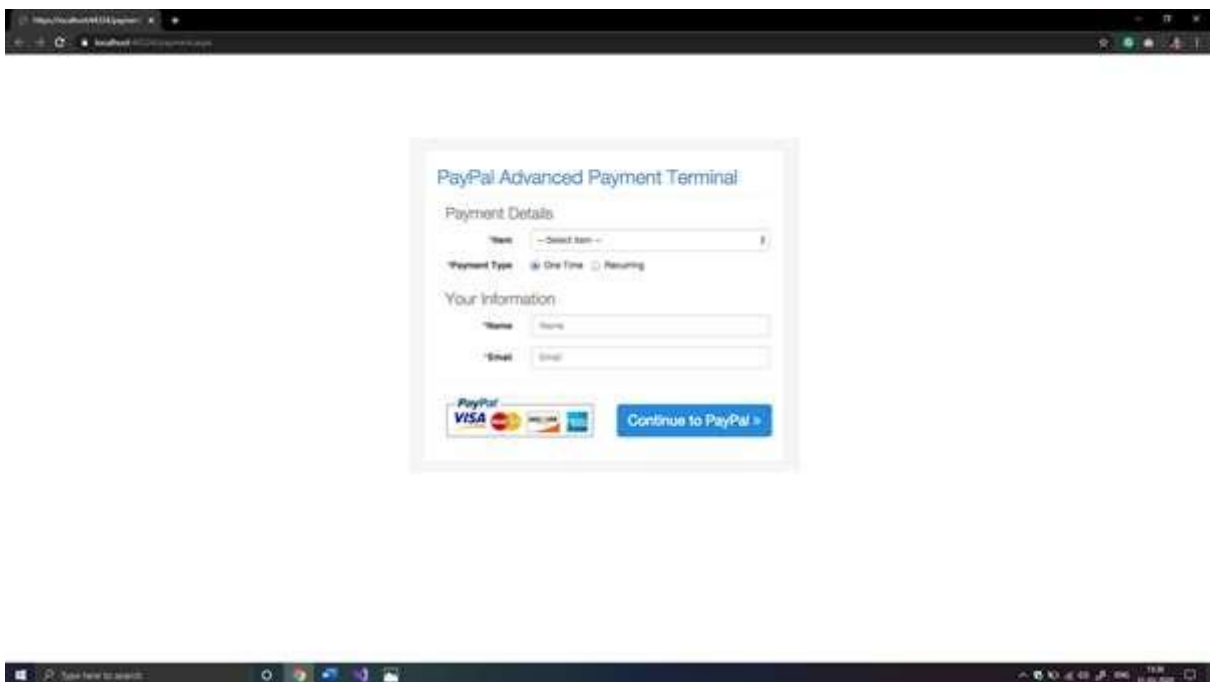
CONTACT NUMBER: NO. OF PERSONS:

SPECIAL REQUEST

NON SMOKING ROOM LATE CHECK-IN EARLY CHECK-IN ROOM ON HIGH FLOOR LARGE BED TWIN BEDS

ANY OTHER REQUEST?

Payment gateway



The image shows a screenshot of a web browser displaying the PayPal Advanced Payment Terminal interface. The browser's address bar shows a local IP address. The page title is "PayPal Advanced Payment Terminal".

Payment Details

Item:

Payment Type: One Time Repeating

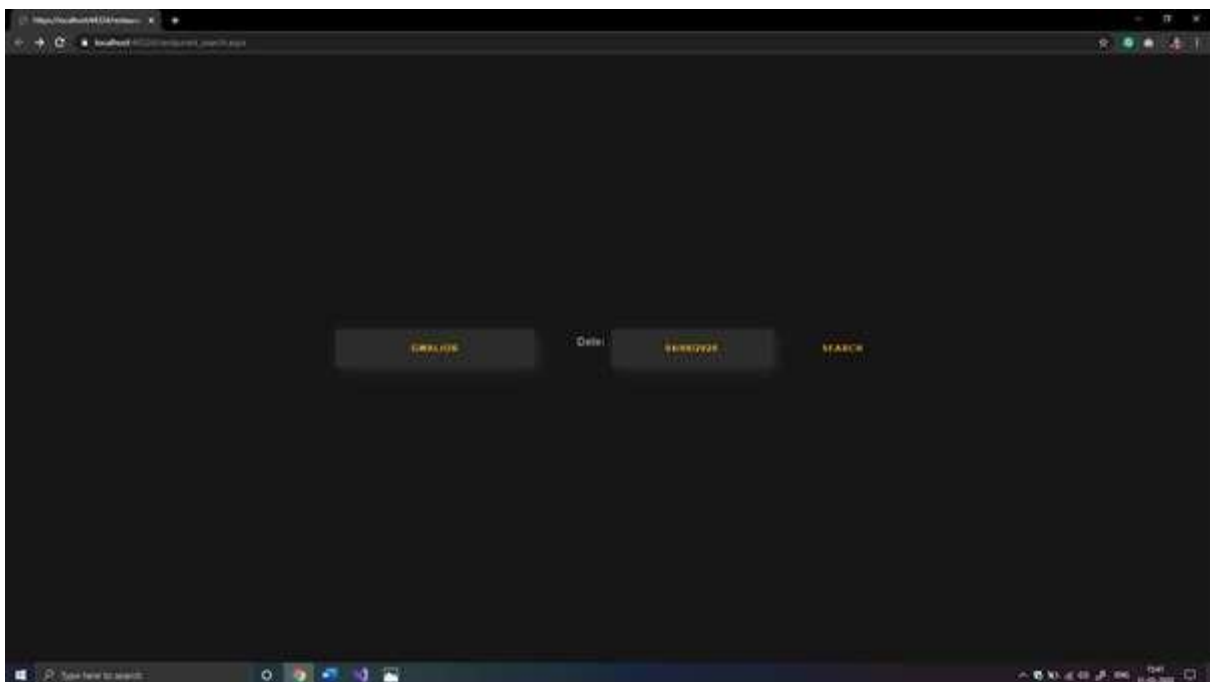
Your Information

Name:

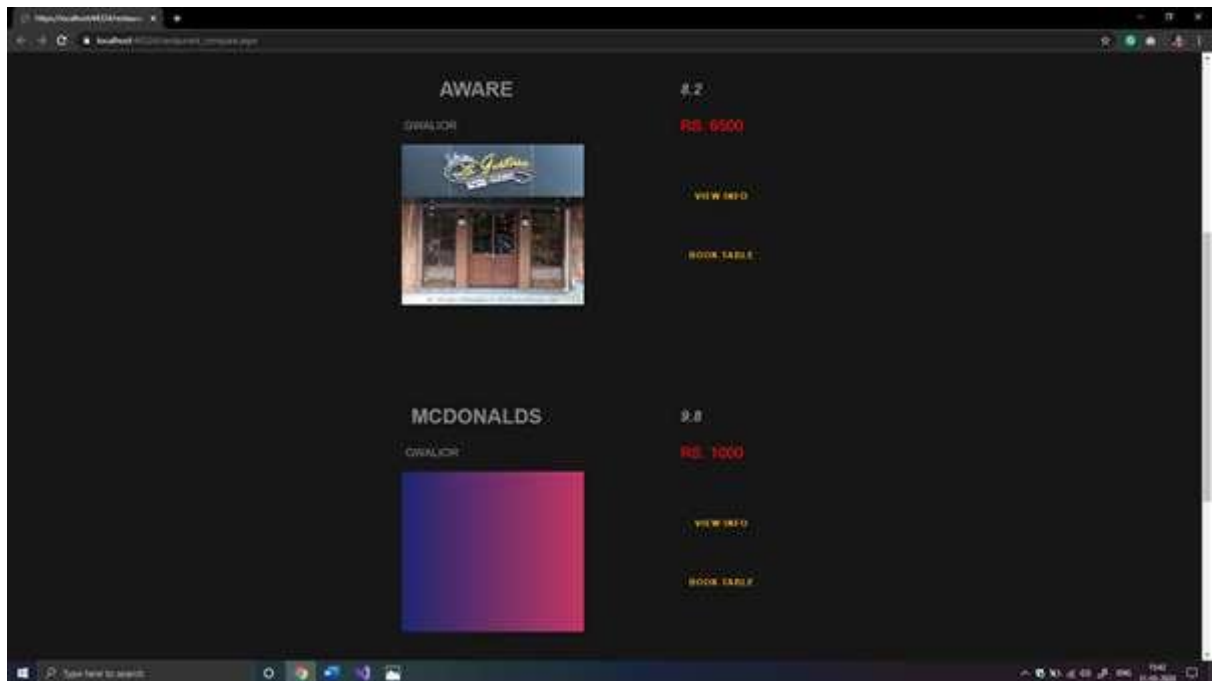
Email:

At the bottom, there are logos for PayPal, VISA, Mastercard, and American Express, followed by a blue button labeled "Continue to PayPal >".

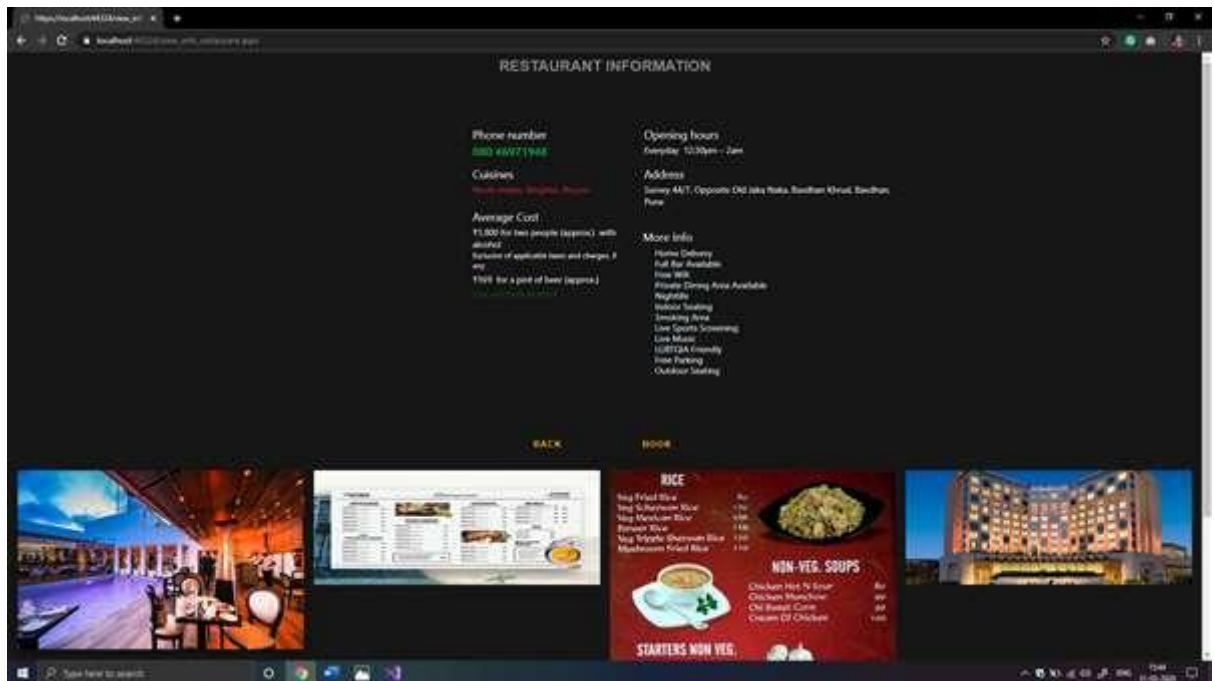
Restaurant search



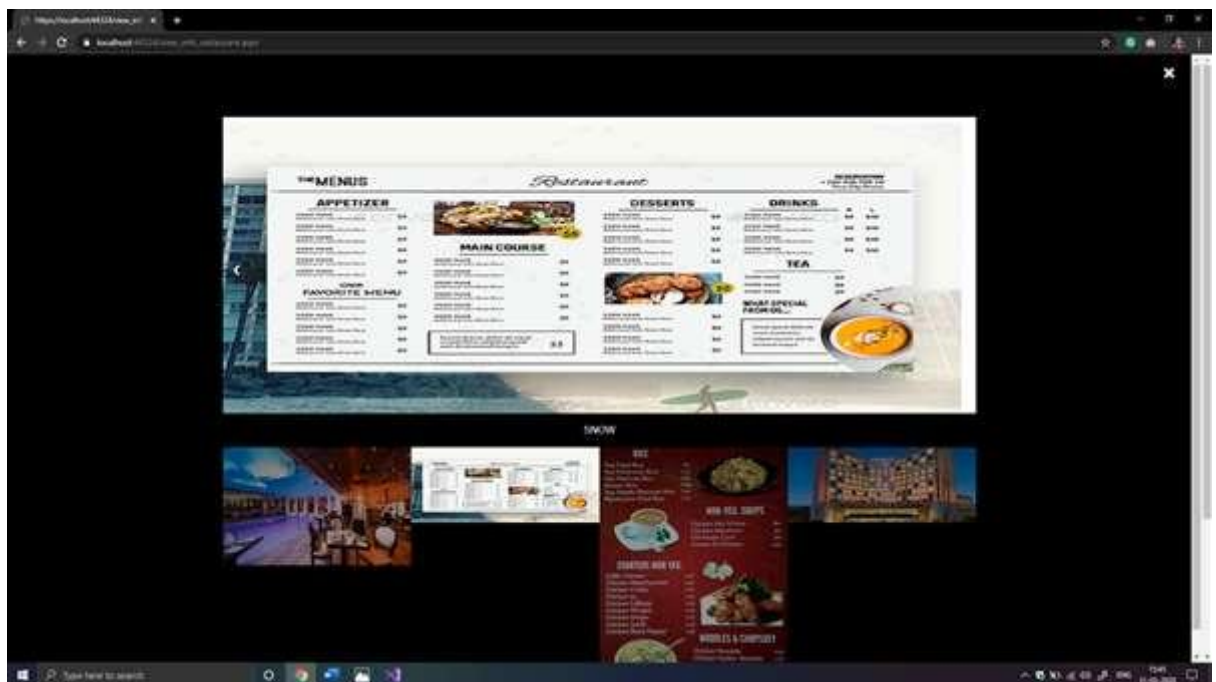
Restaurant search results



View restaurant info




View gallery



Book restaurant

BOOK A TABLE

AWARE 9.1
Gwalior **RS. 7000**



1. PLEASE SELECT YOUR BOOKING DETAILS

Date: Time: Number of guests:

2. ENTER GUEST DETAILS

Name: Phone:

Email:

BOOK

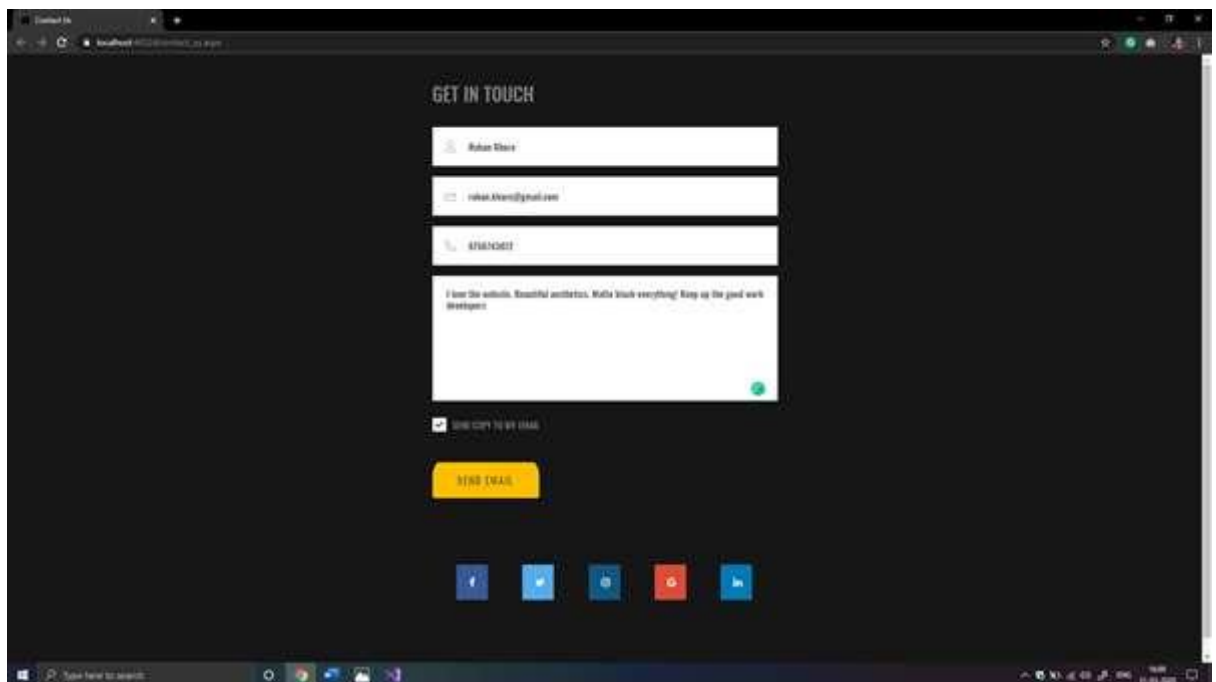
Feedback

The image shows a screenshot of a feedback form on a dark-themed website. The form is titled "WE VALUE YOUR THOUGHTS" and contains the following elements:

- A text input field with the placeholder "Enter Message".
- An email input field with the placeholder "email@domain.com".
- A phone number input field with the placeholder "0456789012".
- A text area with the placeholder "Dear customer, I'm glad you're with us. Let's work to get back here 1/5 for you."
- Four radio button options for rating: "SERVICE RATING", "ADVICE RATING", "GOOD RATING", and "OVERALL RATING". Each option has a "1" next to it.
- A yellow "SEND FEEDBACK" button.

The form is displayed in a browser window with a Windows taskbar visible at the bottom.

Contact us



The image shows a contact form titled "GET IN TOUCH" on a dark-themed website. The form is centered and contains the following elements:

- A name input field with the placeholder text "John Doe".
- An email input field with the placeholder text "john.doe@gmail.com".
- A phone number input field with the placeholder text "4781234567".
- A large text area for a message with the placeholder text "I love the website. Beautiful aesthetic. Make black everything! Keep up the good work! #designer".
- A checkbox labeled "SEND COPY TO MY EMAIL".
- A prominent yellow "SEND EMAIL" button.
- Five social media icons: Facebook, Twitter, LinkedIn, Instagram, and YouTube.

The form is set against a dark background with white text and input fields. The browser's address bar shows a local file path, and the Windows taskbar is visible at the bottom.

About us

Hello there and a warm welcome to the TREAT

We've been expecting you! We know what it means to come from a long and long trip and to long for a genuine welcome, a good drink and a comfortable bed to stretch out on. If you enjoy being made at home, you've come to the right place!

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At TREAT, we're a little unconventional. We are 500+ people, powered by a shared passion to stay ahead of the game. We are diverse, equalities and results team of 20 different nationalities, who come together to work towards a common goal.

Resilience
We push ourselves beyond our abilities when faced with tough times. When we believe unshakably, we achieve it only with flexibility.

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Feedback is never taken personally, we break it into positive pieces and strive to work on each and every element from most effectively.

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Humility
It's doesn't get over the top. We don't lose ourselves in pride or confidence during individual successes, but focus on being our simple selves in every which way.

Spark
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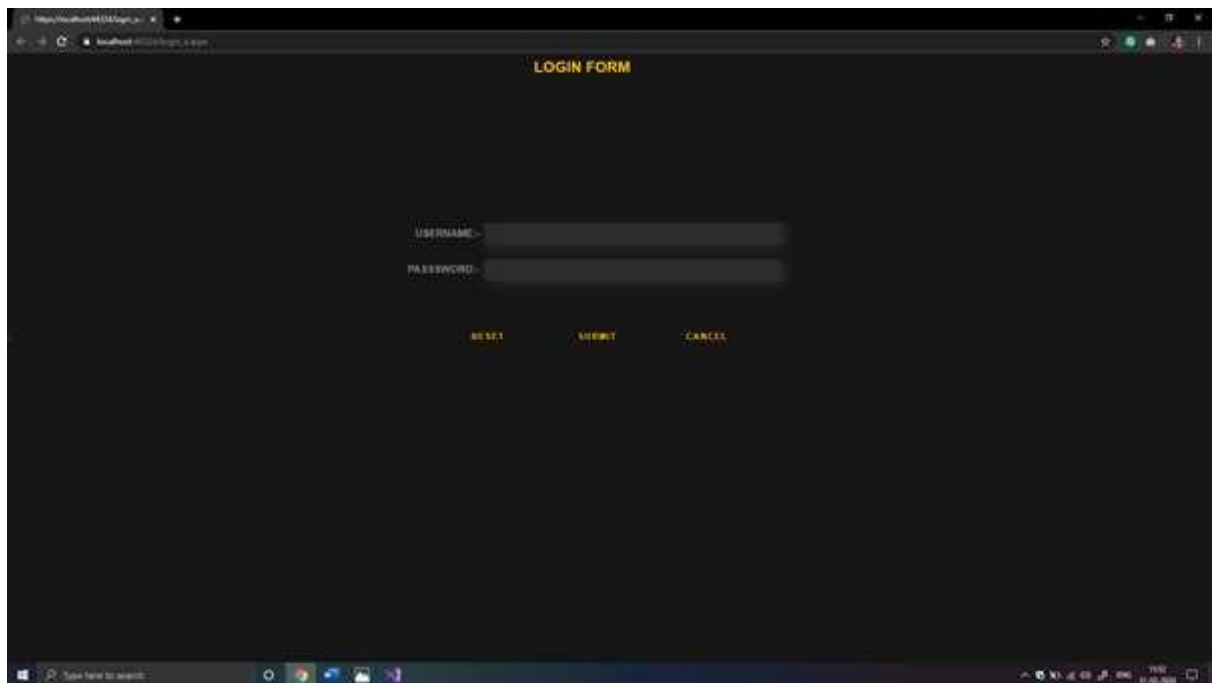
Judgement

We've grown a lot since we started

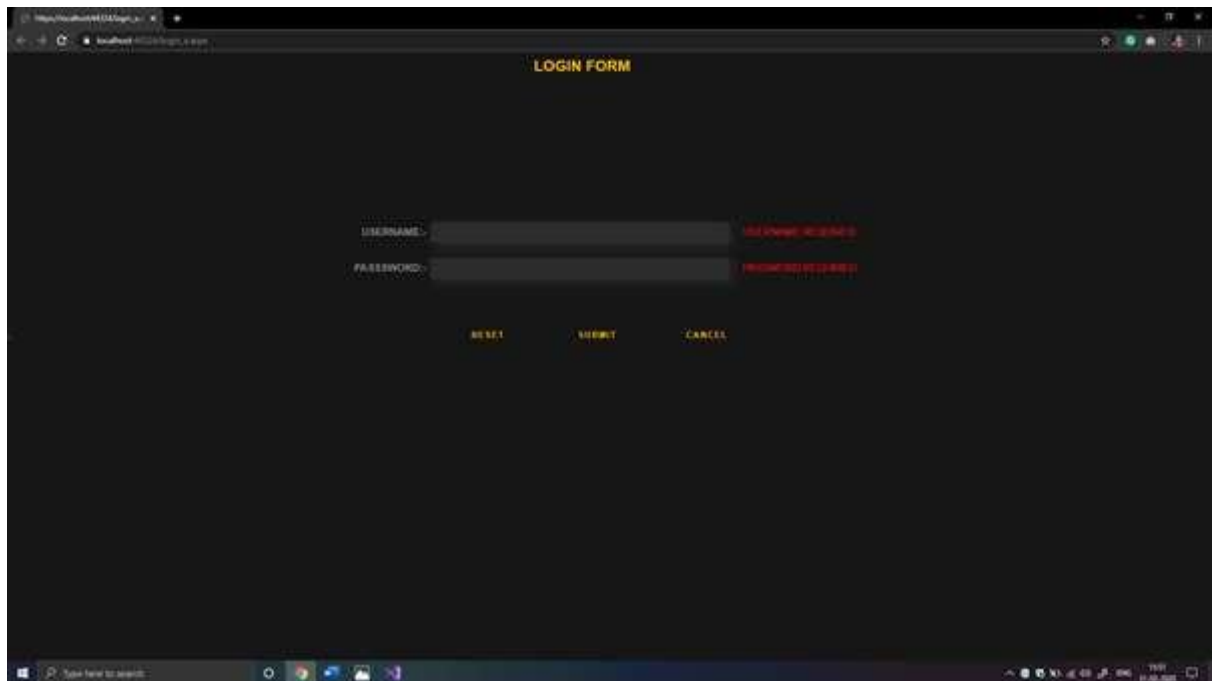
... still only 1% done

COME ON IN, WE'RE HERE TO MAKE YOU FEEL GOOD!

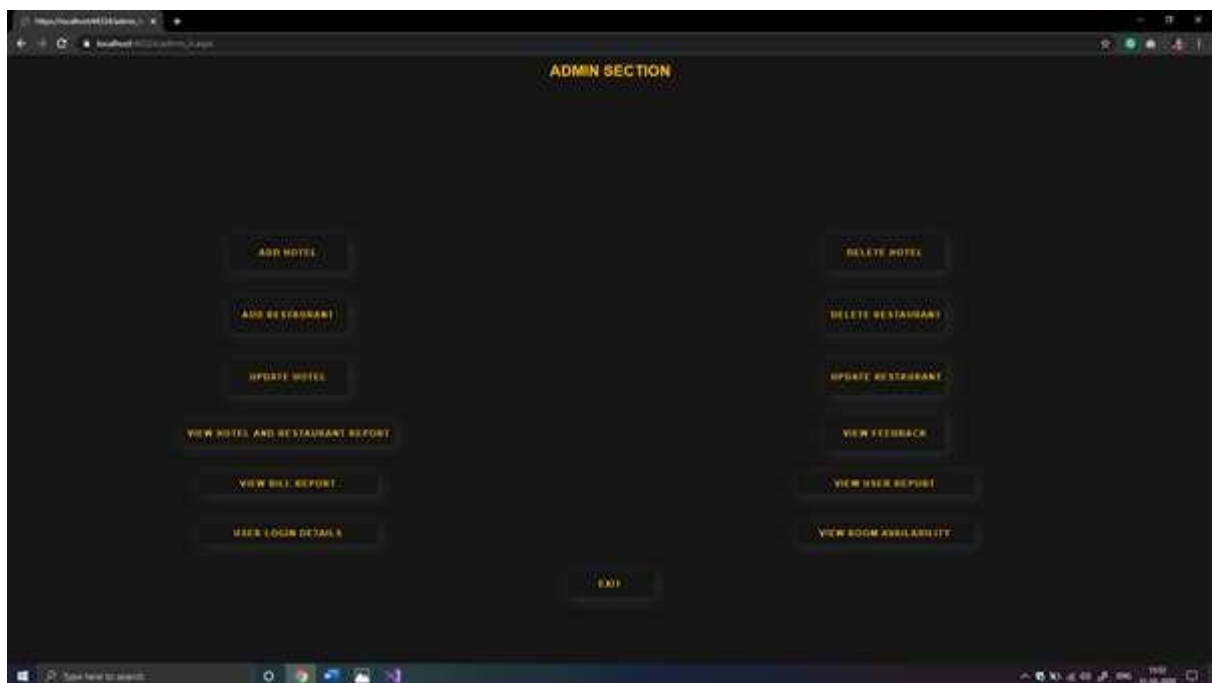
2) ADMIN LOGIN



With validation



Admin section



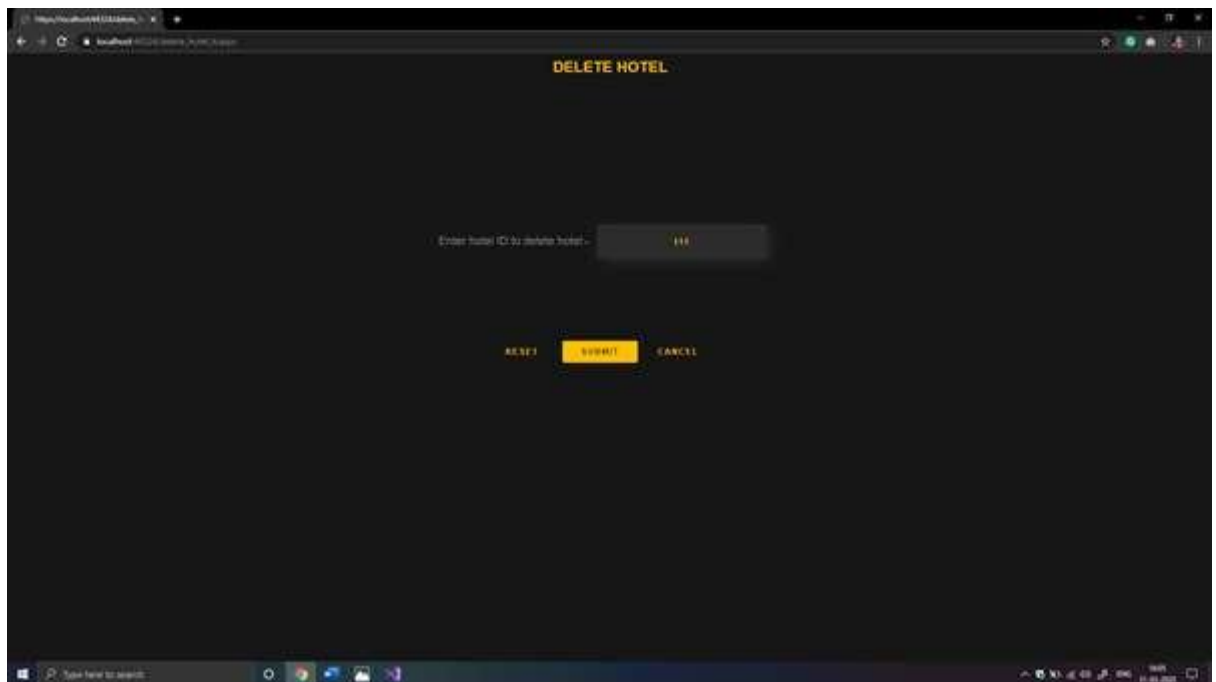
Add hotel

The screenshot shows a web browser window with the title "HOTEL REGISTRATION". The browser's address bar shows "localhost:4200/home/registration/registration". The form contains the following fields and values:

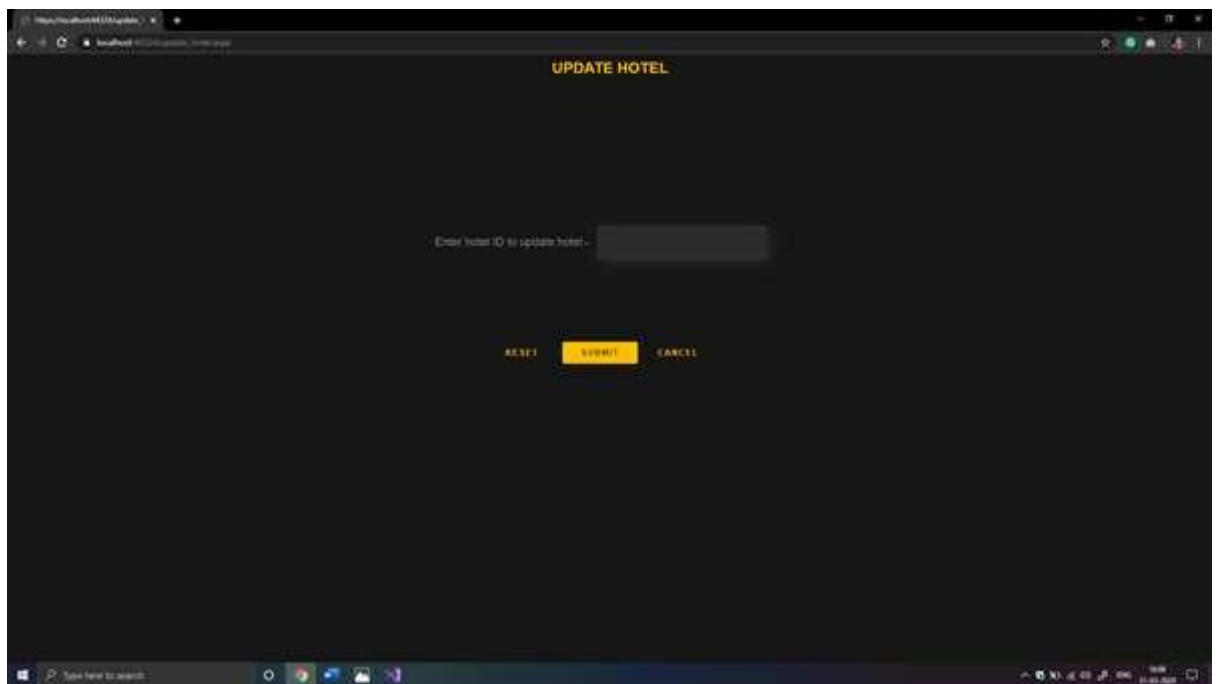
Field Label	Value
HOTEL ID	541
HOTEL NAME	BIDDA
HOTEL LOCATION	KARAKU
HOTEL INFORMATION	AFFORDABLE GREAT A
HOTEL CONTACT DETAILS	888-24122445
HOTEL RATING	4
RESTAURANT AT THE HOTEL	YES
HOTEL ADDRESS	PLLOT 12021, PERAMPANG

At the bottom of the form, there are three buttons: "RESET", "SUBMIT", and "CANCEL". The "SUBMIT" button is highlighted in yellow. The browser's taskbar at the bottom shows the search bar with "Type here to search" and the system tray with the time "10:58" and date "10/20/2020".

Delete hotel



Update hotel



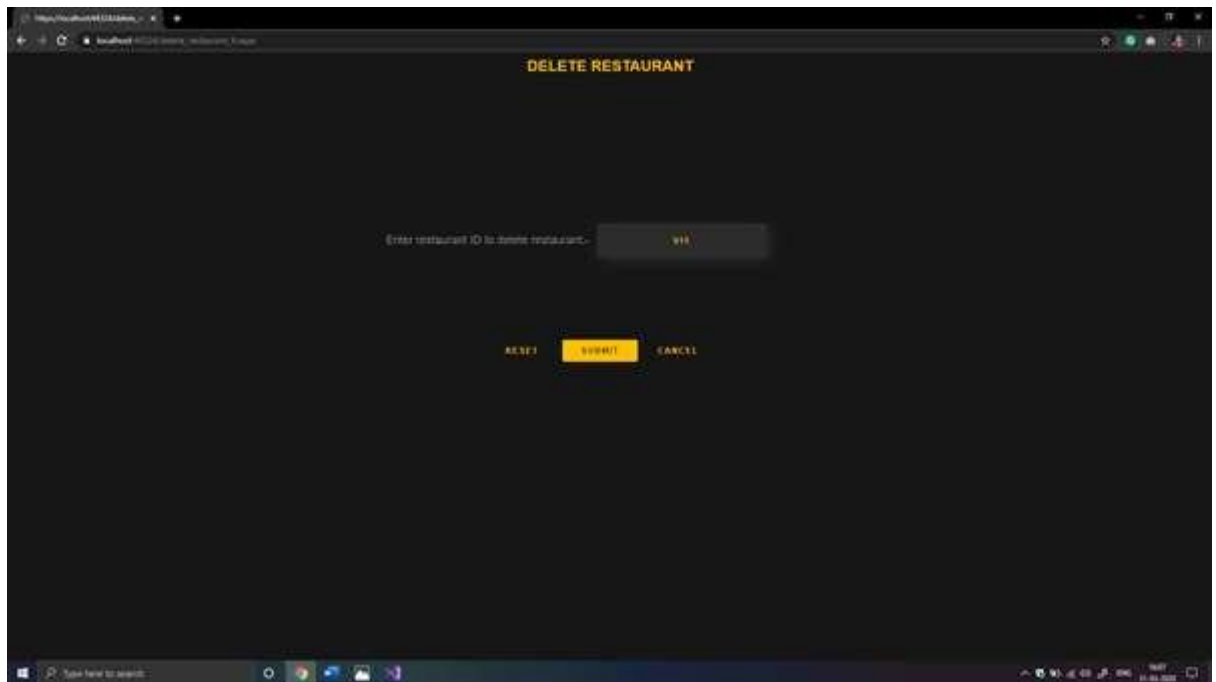
Add restaurant

The image shows a web browser window displaying a 'RESTAURANT REGISTRATION' form. The form is set against a dark background with light-colored text and input fields. The browser's address bar shows a local file path. The form fields are as follows:

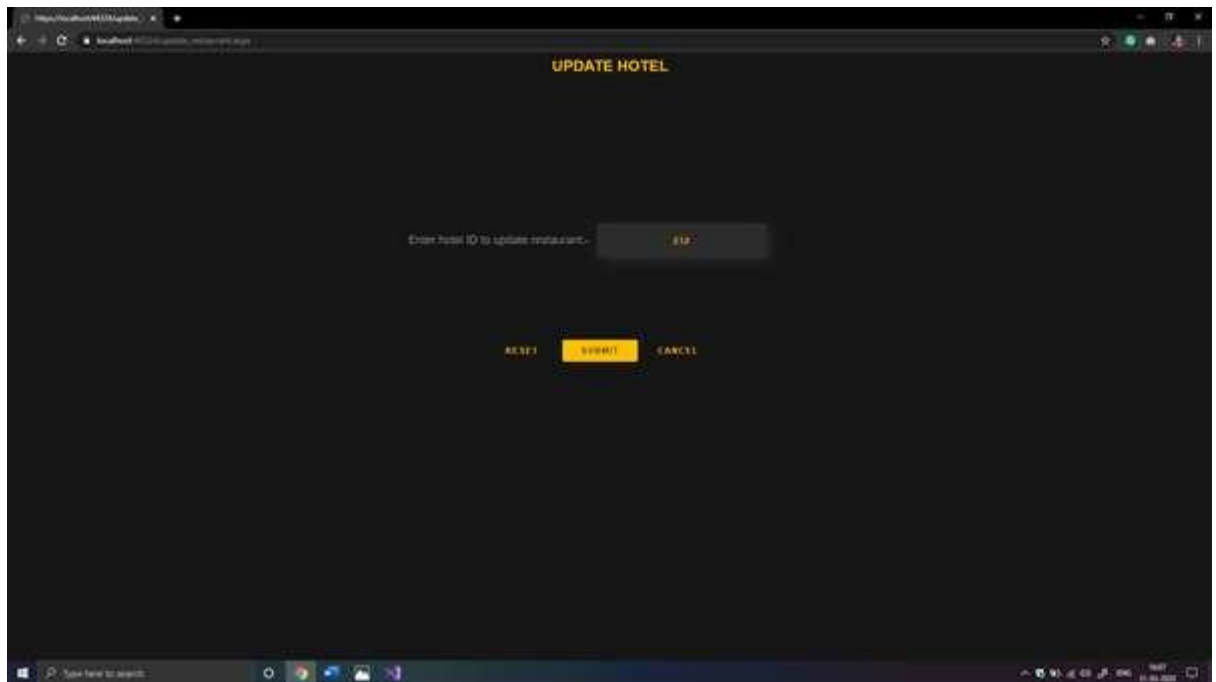
Field Label	Value
RESTAURANT ID	911
RESTAURANT NAME	BEAK IN
RESTAURANT LOCATION	PUNE
RESTAURANT CONTACT DETAILS	810 159443
RESTAURANT ADDRESS	LAKH'S, KP, PUNE

At the bottom of the form, there are three buttons: 'RESET', 'SUBMIT' (highlighted in yellow), and 'CANCEL'. The Windows taskbar is visible at the bottom of the browser window.

Delete restaurant



Update restaurant



Add room

HOTEL ID:

ROOM TYPE:

- SINGLE ROOM (AC)
- SINGLE ROOM (NON AC)
- DOUBLE ROOM (AC)
- DOUBLE ROOM (NON AC)
- FAMILY ROOM (AC)
- FAMILY ROOM (NON AC)

ROOM COUNT & PRICE

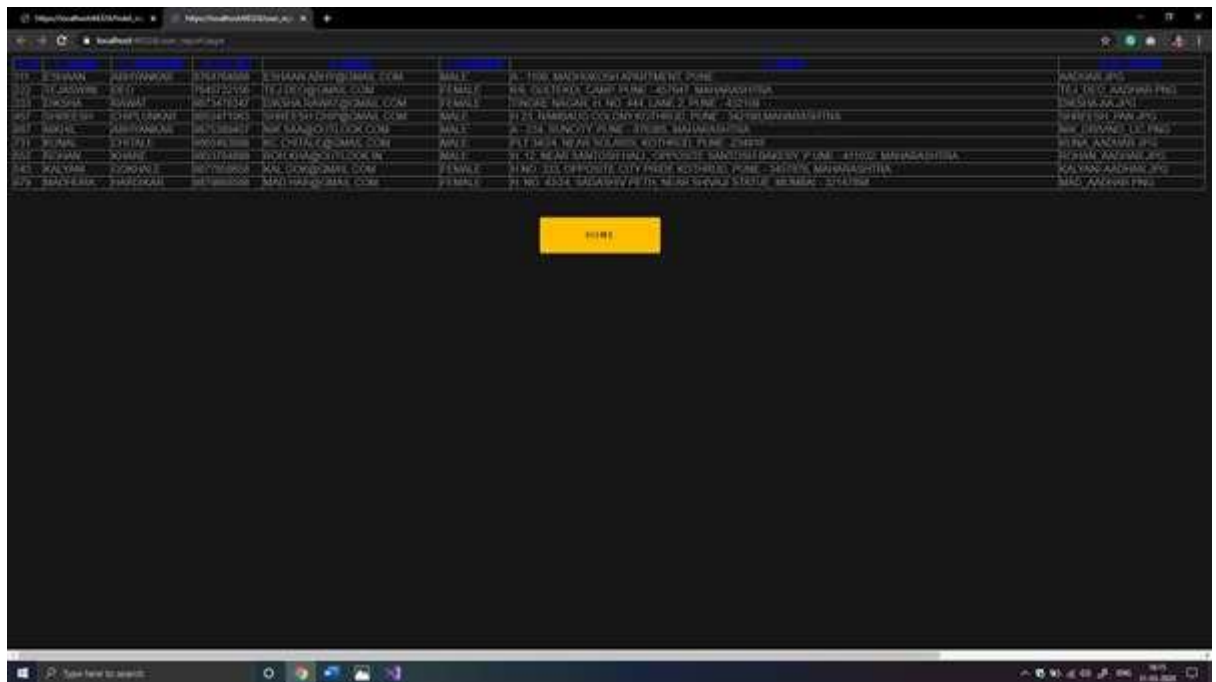
NOTE: Price is Room & 1

SINGLE ROOM (AC)	<input type="text" value="1"/>	<input type="text" value="1000"/>
SINGLE ROOM (NON AC)	<input type="text" value="1"/>	<input type="text" value="500"/>
DOUBLE ROOM (AC)	<input type="text" value="1"/>	<input type="text" value="1500"/>
DOUBLE ROOM (NON AC)	<input type="text" value="1"/>	<input type="text" value="2200"/>
FAMILY ROOM (AC)	<input type="text"/>	<input type="text"/>
FAMILY ROOM (NON AC)	<input type="text"/>	<input type="text"/>

HOTEL REPORT

ID	NAME	TYPE	DESCRIPTION	PHONE	STATUS	ADDRESS	CITY
106	KAMP KASHA	PUNE	VEG HOTEL, NO RESTAURANT, BEAUTIFUL ROOMS	923457291	0	BY STREET, BHANDARAKAR ROAD, PUNE	HOTEL
111	SURECH	SHRAVON	BEAUTIFUL AMBIENCE, AFFORDABLE	997320877	0	NAWABWADI ROAD, SHRAVON	HOTEL AND RESTAURANT
112	SHANKAR	PUNE	3 STAR HOTEL, VEG AND NON VEG HOTEL	922726075	0	KODAKAN, SANDHURDAR, DARE	RESTAURANT
113	BOOTS E	PUNE	AFFORDABLE, T2E, MISC	222110288	0	AIR FORCE ROAD NO. 2, PUNE	RESTAURANT
114	SARABHAY	PUNE	ORIGINAL BREWERY	987980040	0	FRINGEDHAR BAUG, LANE 2, PUNE	HOTEL AND RESTAURANT
121	SOHANA	PUNE	OPEN 24 HOURS, NIGHT, COOPER, T2E, MISC, RESTAURANT, SAVER, HIGHLY IN THE CITY	24272884	0	VIJAY NAGAR, PUNE	HOTEL
116	SHREE 8 RESTO	SHRAVON	VEG HOTEL, NO RESTAURANT, BEAUTIFUL ROOMS	974978079	0	INDRABAI ROAD, AIR FORCE ROAD, SHRAVON	HOTEL
111	PHONE: 808788008		AFFORDABLE, T2E, MISC	987980796	0	MAGARAJI ROAD, AIR FORCE ROAD, SHRAVON	HOTEL
111	SHREE 8 RESTO	SHRAVON	VEG HOTEL, NO RESTAURANT, BEAUTIFUL ROOMS	24272884	0	INDRABAI ROAD, AIR FORCE ROAD, SHRAVON	RESTAURANT
122	AMAROTI	PUNE	A PREMIUM MARriott BOWEN MEMBER HOTEL, SITUATED IN PUNE, KNOWN FOR ITS 300+ OF THE ART ARCHITECTURE	903758079	0	HI, PUNE	HOTEL AND RESTAURANT
123	SE HERMANDELHE		A PREMIUM MARriott BOWEN MEMBER HOTEL, SITUATED IN PUNE, KNOWN FOR ITS 300+ OF THE ART ARCHITECTURE	903758079	0	VIJAY NAGAR, PUNE	HOTEL AND RESTAURANT
124	SHREE 8 RESTO	SHRAVON	A FAMILY RESTAURANT, W/ SPECIALTY IN PUNJABI FOOD, ALSO T2E, MISC	903758079	0	INDRABAI ROAD, AIR FORCE ROAD, SHRAVON	RESTAURANT
140	ROJES DAWETTY	MADHON	A 5 STAR AND HOTEL	97758079	0	INDRABAI ROAD, AIR FORCE ROAD, SHRAVON	HOTEL
145	VEPPY	CHENNAI	RESTAURANT SOUTH INDIAN IS OUR SPECIALTY	967944046	0	VIJAY NAGAR, PUNE	RESTAURANT
141	PARK PLAZA	CHENNAI	STATE OF THE ART ROOMS, BESSER VIEW	987944046	0	VIJAY NAGAR, PUNE	RESTAURANT
140	HOTEL NEGA	KOLKATA	NEAR DODI SPECIAL, AFFORDABLE, RARE, ALSO SPECIAL IN BENGALI FOOD	907768781	0	NEAR HOWRAH BRIDGE, LANE 1, IND KAL, INDIA	HOTEL AND RESTAURANT
143			NON VEG SPECIALTY	907768781	0	NEAR HOWRAH BRIDGE, LANE 1, IND KAL, INDIA	HOTEL AND RESTAURANT
139	LEADWA PUNE	SHRAVON	VEG RESTAURANT, NASHIKER HOD 2 IS OUR REGULAR CUSTOMER	987944046	0	VIJAY NAGAR, PUNE	RESTAURANT
142	THE HOTEL	SHRAVON	A PREMIUM MARriott BOWEN MEMBER HOTEL, SITUATED IN PUNE, KNOWN FOR ITS 300+ OF THE ART ARCHITECTURE	987944046	0	AIR FORCE CHOWK, LANE 4	HOTEL AND RESTAURANT
138	LA SQUA	LUCCORNE	3 STAR HOTEL, VEG AND NON VEG HOTEL	72637319	0	AIR FORCE CHOWK, LANE 4	HOTEL AND RESTAURANT

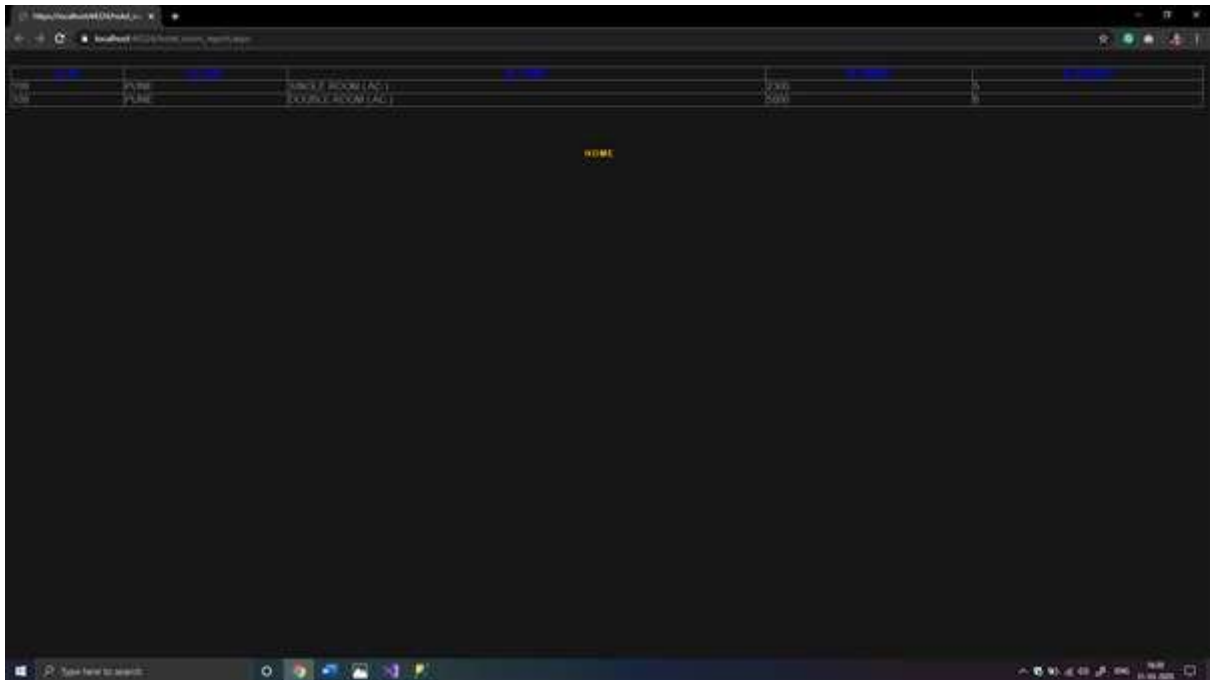
USER REPORT



119	ESHAN	ESHAN@ESHAN.COM	ESHAN	ESHAN	MALE	B-106 MADHAWSHI APARTMENT PUNE
120	TEJASWI	TEJASWI@TEJASWI.COM	TEJASWI	TEJASWI	FEMALE	RS-001/001 CAMP PUNE-400017 MAHARASHTRA
121	DWISHA	DWISHA@DWISHA.COM	DWISHA	DWISHA	FEMALE	DWISHA NEAR P. NO. 241, LANE 2, PUNE-400117
122	SHREYAS	SHREYAS@SHREYAS.COM	SHREYAS	SHREYAS	MALE	111, BHAMBURDA COLONY, PUNE-400017 MAHARASHTRA
123	RAHUL	RAHUL@RAHUL.COM	RAHUL	RAHUL	MALE	2-131, BANGSI PUNE-400017 MAHARASHTRA
124	RIYAN	RIYAN@RIYAN.COM	RIYAN	RIYAN	MALE	PLT 30/4 NEAR WALIMA, KOTHRUD PUNE-400017
125	RIYAN	RIYAN@RIYAN.COM	RIYAN	RIYAN	MALE	11-12, NEAR AMBUSTHALI, OPPOSITE SANDISH (MIDWAY PUNE)-400017 MAHARASHTRA
126	KALYANI	KALYANI@KALYANI.COM	KALYANI	KALYANI	FEMALE	11 NO. 105, OPPOSITE CITY INDR KOTHRUD PUNE-400017 MAHARASHTRA
127	SHREYAS	SHREYAS@SHREYAS.COM	SHREYAS	SHREYAS	FEMALE	11 NO. 105/4, BANGSI PUNE-400017 MAHARASHTRA

[HOME](#)

ROOM REPORT



The screenshot shows a web browser window with a dark theme. The browser's address bar displays 'localhost:4242/room-report.html'. The page content is a table with the following data:

Room	Type	Capacity	Status	Location
101	Class	20	Occupied	Building A, Room 101
102	Class	20	Occupied	Building A, Room 102

Below the table, the word 'HOME' is displayed in a yellow font, serving as a navigation link. The browser's taskbar at the bottom shows the search bar with the text 'Type here to search' and the system tray with the time '10:10 AM' and date '10/10/2023'.

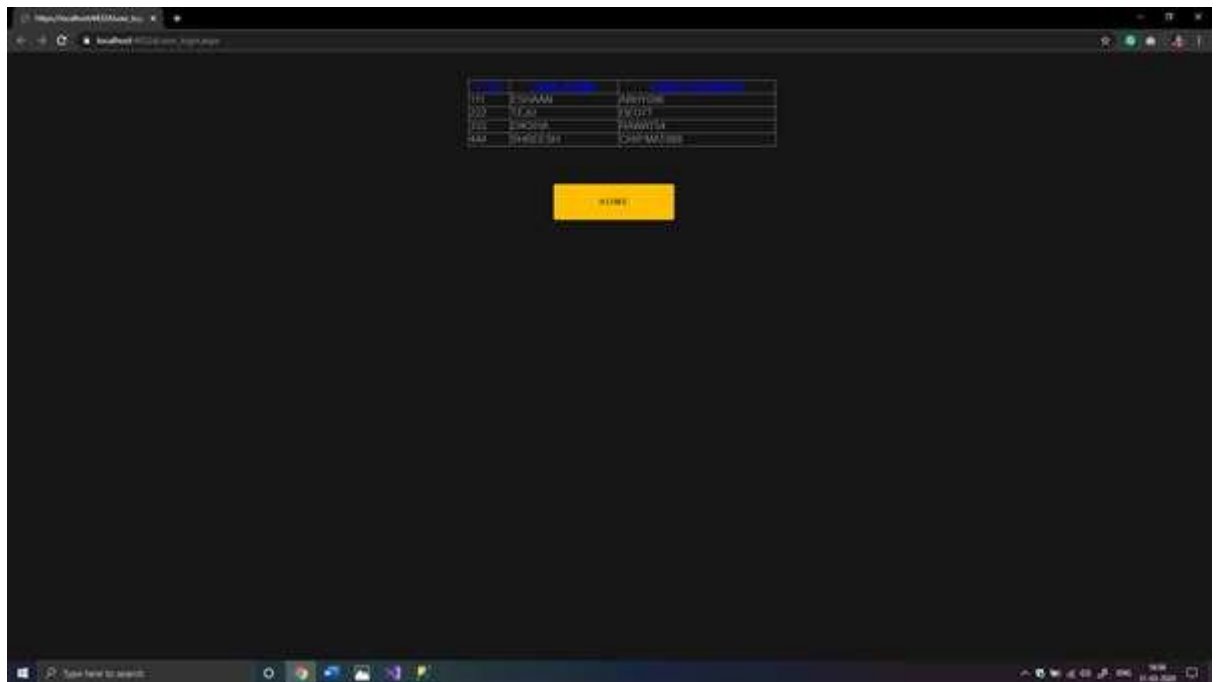
BILL REPORT



ID	Name	Room	Amount
19261764	BURHANUDDIN KUMAR	DOUBLE ROOM (AC) & SINGLE ROOM (NON-AC)	71.00.000.00.00
22303325	R. SHARATHANAYAKAN	DOUBLE ROOM (AC)	25.00.000.00.00.00
12069726	TH. JASWAL DEO	SINGLE ROOM (AC)	24.00.000.00.00.00
19111961	DEEPAK KAWAT	DOUBLE ROOM (AC) & SINGLE ROOM (AC)	62.00.000.00.00.00
22069726	TH. JASWAL DEO	DOUBLE ROOM (NON-AC) & SINGLE ROOM (NON-AC)	14.00.000.00.00.00
121280798	W. HAN KHAI	DOUBLE ROOM (AC)	14.00.000.00.00.00

HOME

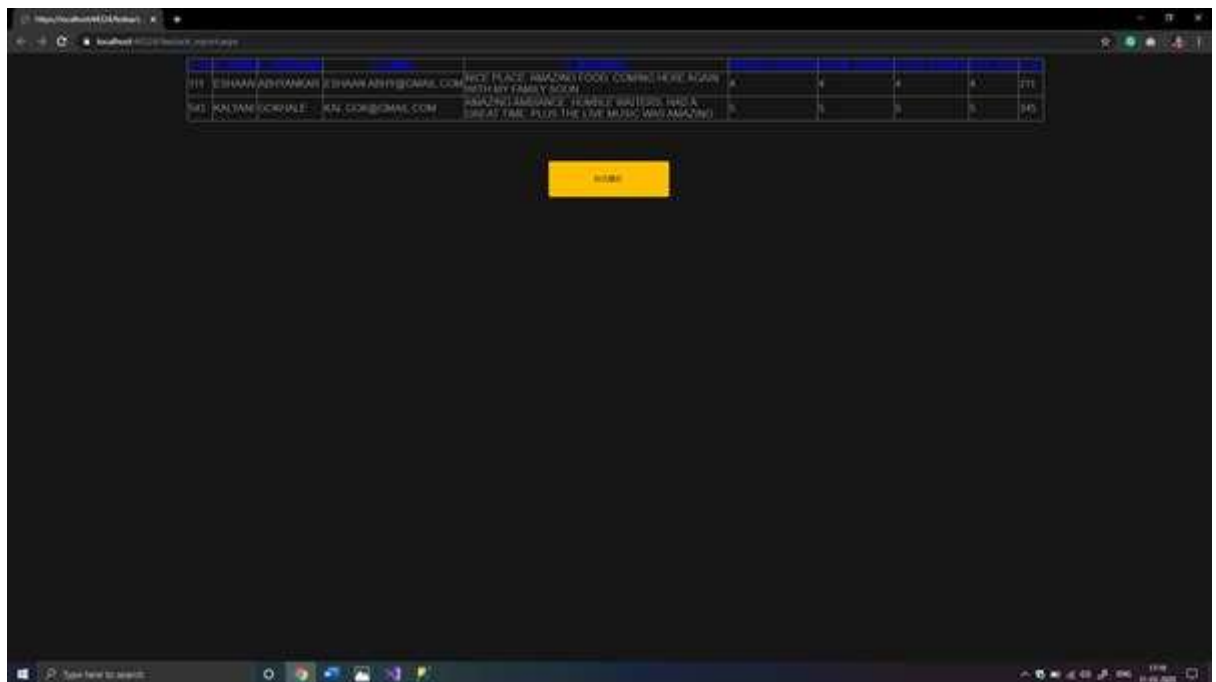
USER LOGIN DETAILS REPORT



ID	Username	Password
111	2345678	123456
222	1234567	789012
333	8765432	345678
444	9876543	901234

HOME

FEEDBACK DETAILS



The screenshot shows a web browser window with a dark theme. The browser's address bar displays 'localhost:4200/feedback/feedback-page'. The main content area contains a table with two rows of feedback data. Below the table is a yellow button labeled 'MORE'. The Windows taskbar is visible at the bottom of the screen.

211	ESHAM ABHYAKAR	ESHAM.ABH@DMML.COM	NICE PLACE, AMAZING FOOD, COMING HERE AGAIN WITH MY FAMILY SOON	5	5	5	5	5	271
243	KUNJAN CHOUALE	KUN.CH@DMML.COM	AMAZING SERVICE, FURBLE BOUTIQUE, GREAT FMB, PLUS THE LIVE MUSIC WAS AMAZING	5	5	5	5	5	345

```
<%@ Page Language="C#" AutoEventWireup="true"  
CodeBehind="WebForm2.aspx.cs"  
Inherits="Hotel_Management_1.WebForm2" %>
```

```
<!DOCTYPE html>
```

```
<script runat="server">
```

```
Protected Sub
```

```
RadioButtonList1_SelectedIndexChanged(sender As Object, e  
As EventArgs)
```

```
End Sub
```

```
Protected Sub Button1_Click(sender As Object, e As  
EventArgs)
```

```
    TextBox1.Text = String.Empty
```

```
    TextBox2.Text = String.Empty
```

```
    TextBox3.Text = String.Empty
```

```
    TextBox4.Text = String.Empty
```

```
    RadioButtonList1.ClearSelection()
```

```
    TextBox6.Text = String.Empty
```

```
    TextBox7.Text = String.Empty
```

```
    TextBox8.Text = String.Empty
```

```
    TextBox9.Text = String.Empty
```

```
End Sub
```

```
Protected Sub Button3_Click(sender As Object, e As  
EventArgs)
```

```
Response.Redirect("home_h.aspx")
```

```
End Sub
```

```
Protected Sub TextBox6_TextChanged(sender As Object, e As  
EventArgs)
```

```
End Sub
```

```
Protected Sub TextBox9_TextChanged(sender As Object, e As  
EventArgs)
```

```
End Sub
```

```
</script>
```

```
<html xmlns="http://www.w3.org/1999/xhtml">
```

```
<head runat="server">
```

```
<title></title>
```

```
<style>
```

```
    body{
```

```
        background:#161616;
```

```
        color:#888;
```

```
        font-family: 'Ubuntu Mono', sans-serif;
```

```
        text-transform:uppercase;
```

```
    }
```

```
.box{
```

```
    width:90%;
```

```
    max-width:450px;
```

```
    height:auto;
```

```
    margin:0 auto;
```

```
margin-top:100px;  
  
background:#222;  
  
border-radius:7px;  
  
box-shadow: 0px 3px 10px 1px rgba(0, 0, 0, 0.9);  
  
}
```

```
.content{  
  
width:85%;  
  
height:auto;  
  
position;;  
  
margin:0 auto;  
  
padding:30px 0px;  
  
background;;  
  
text-align:center;  
  
}
```



```
.content h1 {  
  
    font-size: 24px;  
  
    font-weight:400;  
  
    color:#FFBF00;  
  
    letter-spacing:0.125em;  
  
    text-align:center;  
  
}
```

```
.field {  
  
    text-align: center;  
  
    width: 192px;  
  
    height: 57px;  
  
  
    margin: 10px auto;  
  
    padding: 10px;  
  
    background: #2c2c2c;
```

```
border: none;

box-shadow: 5px 5px 20px #2c2c2c;

border-radius: 3px;

outline: none;

color: #FFBF00;

font-weight: 700;

letter-spacing: 0.125em;

text-align: center;

text-transform: uppercase;

}
```

```
::-webkit-input-placeholder { /* WebKit browsers */
```

```
color: #5A5A5A;
```

```
}
```

```
:-moz-placeholder { /* Mozilla Firefox 4 to 18 */
```

```
color:#5A5A5A;

}

::-moz-placeholder{ /* Mozilla Firefox 19+ */

color:#5A5A5A;

}

:-ms-input-placeholder{ /* Internet Explorer 10+ */

color:#5A5A5A;

}
```

```
.btn {

text-align: center;

width: 192px;

height: 57px;

margin: 10px auto;
```

```
padding: 10px;

background: #161616;

border: none;

box-shadow: 0px 1px 0px 0px #111;

border-radius: 3px;

outline: none;

color: #FFBF00;

font-weight: 700;

letter-spacing: 0.125em;

text-align: center;

text-transform: uppercase;

}
```

```
.btn:hover{

background:#FFBF00;

color:#333;
```

```
}
```

```
.btn:active{  
  
background:#FACC2E;  
  
color:#333;  
  
}
```

```
.auto-style2 {  
  
margin-left: 0px;  
  
}
```

```
.auto-style5 {  
  
text-align: center;  
  
width: 231px;  
  
}
```

```
.auto-style8 {  
  
width: 231px;  
  
}
```

```
.auto-style13 {  
  
    text-align: center;  
  
    width: 231px;  
  
    height: 50px;  
  
}
```

```
.auto-style16 {  
  
    text-align: left;  
  
    width: 406px;  
  
    height: 58px;  
  
}
```

```
.auto-style17 {  
  
    width: 231px;  
  
    height: 58px;  
  
    text-align: center;  
  
}
```

```
.auto-style23 {
```

```
    text-align: center;
}
```

```
.auto-style24 {
    text-align: right;
    width: 904px;
}
```

```
.auto-style25 {
    text-align: right;
    width: 904px;
    height: 58px;
}
```

```
.auto-style27 {
    text-align: center;
    width: 904px;
    height: 50px;
}
```

```
.auto-style28 {  
  
    text-align: left;  
  
    width: 406px;  
  
}
```

```
.auto-style29 {  
  
    text-align: center;  
  
    width: 406px;  
  
}
```

```
.auto-style30 {  
  
    text-align: center;  
  
    width: 406px;  
  
    height: 50px;  
  
}
```

```
.auto-style32 {  
  
    text-align: left;  
  
    height: 50px;
```



```
}
```

```
.auto-style41 {
```

```
margin-left: 10px;
```

```
text-align: center;
```

```
border-style: none;
```

```
border-color: inherit;
```

```
border-width: medium;
```

```
margin: 10px auto 10px 3px;
```

```
padding: 10px;
```

```
background: #2c2c2c;
```

```
box-shadow: 0px 1px 0px 0px #111;
```

```
border-radius: 3px;
```

```
outline: none;
```

```
color: #FFBF00;
```

```
font-weight: 700;
```

```
letter-spacing: 0.125em;
```

```
        text-align: center;

        text-transform: uppercase;

    }

    .auto-style42 {

        font-size: x-large;

    }

    .auto-style44 {

        text-align: right;

        width: 904px;

        height: 50px;

    }

</style>

</head>

<body>

    <form id="form1" runat="server">

        <div class="auto-style23">
```

```
<strong
style="color:#FFBF00">&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<span
class="auto-style42">&nbsp;&nbsp;&nbsp;REGISTRATION
PAGE</span><br />
```

```
<br />
```

```
<br />
```

```
</strong>
```

```
</div>
```

```
<table class="auto-style2">
```

```
<tr>
```

```
<td class="auto-style24"><strong>Name:-
```

```
</strong></td>
```

```
<td class="auto-style28">
```

```
<asp:TextBox ID="TextBox1" runat="server"
```

```
Width="182px" CssClass="auto-style41"
```

```
Height="30px"></asp:TextBox>
```

```
</td>
```

```
<td class="auto-style5">

    <br />

    <br />

</td>

</tr>

<tr>

    <td class="auto-style25"><strong>Surname:-

</strong></td>

    <td class="auto-style16">

        <asp:TextBox ID="TextBox2" runat="server"

Width="183px" CssClass="auto-style41"

Height="30px"></asp:TextBox>

    </td>

    <td class="auto-style17">

        <br />

        <br />

    </td>

</tr>

</table>
```

```
</td>

</tr>

<tr>

    <td class="auto-style25"><strong>Phone no.:-

</strong></td>

    <td class="auto-style16">

        <asp:TextBox ID="TextBox3" runat="server"

Width="166px" CssClass="auto-style41"

Height="30px"></asp:TextBox>

    </td>

    <td class="auto-style17">

        <br />

        <br />

    </td>

</tr>

<tr>
```

```
<td class="auto-style24"><strong>E-Mail ID:-
</strong></td>

<td class="auto-style28">

<asp:TextBox ID="TextBox4" runat="server"
Width="247px" CssClass="auto-style41"
Height="30px"></asp:TextBox>

<br />

</td>

<td class="auto-style8"></td>

</tr>

<tr>

<td class="auto-style24"><strong>Gender:-
</strong></td>

<td class="auto-style28">

<strong>

<asp:RadioButtonList ID="RadioButtonList1"
runat="server" Width="131px" CssClass="auto-style41"
```

```
OnSelectedIndexChanged="RadioButtonList1_SelectedIndexCha  
nged" Height="33px">
```

```
<asp:ListItem Value="Male"></asp:ListItem>
```

```
<asp:ListItem Value="Female"></asp:ListItem>
```

```
</asp:RadioButtonList>
```

```
</strong>
```

```
</td>
```

```
<td class="auto-style5">
```

```
&nbsp;  </td>
```

```
</tr>
```

```
<tr>
```

```
<td class="auto-style24"><strong>USERNAME:-
```

```
</strong></td>
```

```
<td class="auto-style28">
```

```
<asp:TextBox ID="TextBox6" runat="server"
```

```
Width="197px" CssClass="auto-style41" Height="40px"
```

```
OnTextChanged="TextBox6_TextChanged"></asp:TextBox>
```

```
<br />

</td>

<td class="auto-style8"></td>

</tr>

<tr>

<td class="auto-style24"><strong>password:-

</strong></td>

<td class="auto-style28">

<asp:TextBox ID="TextBox7" runat="server"

Width="216px" CssClass="auto-style41"

Height="30px"></asp:TextBox>

<br />

</td>

<td class="auto-style5">

<br />

<br />
```



```
</td>

</tr>

<tr>

<td class="auto-style24"><strong>Confirm password:-

</strong></td>

<td class="auto-style28">

<asp:TextBox ID="TextBox8" runat="server"

Height="30px" Width="218px" CssClass="auto-

style41"></asp:TextBox>

<br />

</td>

<td class="auto-style8"></td>

</tr>

<tr>

<td class="auto-style24"><strong>Address:-

</strong></td>

<td>
```

```
<asp:TextBox ID="TextBox9" runat="server"
CssClass="auto-style41" Height="102px" Width="296px"
OnTextChanged="TextBox9_TextChanged"></asp:TextBox>
```

```
<br />
```

```
</td>
```

```
<td class="auto-style5">
```

```
<br />
```

```
<br />
```

```
</td>
```

```
</tr>
```

```
<tr>
```

```
<td class="auto-style44"><strong>Identity proof:-
</strong></td>
```

```
<td class="auto-style28">
```

```
<asp:FileUpload CssClass="auto-style41"
ID="FileUpload1" runat="server" Height="26px"
Width="300px" />
```



```
<tr>

    <td class="auto-style27"></td>

    <td class="auto-style30"></td>

    <td class="auto-style13"></td>

</tr>

<tr>

    <td class="auto-style27">&nbsp;</td>

    <td class="auto-style29">&nbsp;</td>

    <td class="auto-style5">&nbsp;</td>

</tr>

</table>

</form>

</body>

</html>
```

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0  
Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-  
transitional.dtd">  
<script runat="server">
```

```
Protected Sub Page_Load(sender As Object, e As EventArgs)
```

```
End Sub
```

```
Protected Sub Button3_Click(sender As Object, e As  
EventArgs)
```

```
Response.Redirect("home_h.aspx")
```

```
End Sub
```

```
Protected Sub Button2_Click(sender As Object, e As  
EventArgs)
```

```
txtusr.Text = String.Empty
```

```
txtusr0.Text = String.Empty
```

```
End Sub
```

```
Protected Sub Button4_Click(sender As Object, e As  
EventArgs)
```

```
Response.Redirect("admin_h.aspx")
```

```
End Sub
```

```
</script>
```

```
<html xmlns="http://www.w3.org/1999/xhtml">
```

```
<head runat="server">
```

```
<title></title>
```

```
<style type="text/css">
```

```
/* .style1 {
```

```
text-align: center;
```

```
text-decoration: underline;
```

```
font-size: xx-large;
```

```
}
```

```
.style2 {  
    width: 19%;  
    margin-left: 589px;  
}
```

```
.style3  
{  
    width: 84px;  
    height: 36px;  
    text-align: center;  
}
```

```
.style4  
{  
    width: 1321px;  
    height: 36px;  
}
```

```
.style5  
{  
    width: 84px;  
    height: 38px;
```



```
        text-align: center;
    }
.style6
{
    width: 1321px;
    height: 38px;
}
.style7
{
    width: 84px;
    height: 48px;
}
.style8
{
    width: 1321px;
    height: 48px;
}
.auto-style1 {
    width: 386px;
    height: 228px;
```

```
}  
  
.auto-style6 {  
    font-family: "Times New Roman", Times, serif;  
    font-weight: bold;  
    font-size: medium;  
}  
  
.auto-style8 {  
    margin-top: 0px;  
  
}  
  
  
  
.auto-style16 {  
    width: 192px;  
    text-align: center;  
    font-family: "Times New Roman", Times, serif;  
    font-size: large;  
    height: 57px;  
  
}  
  
.auto-style17 {  
    text-align: center;
```

```
        width: 192px;
        height: 57px;

    }*/

    body{
background:#161616;
color:#888;
font-family: 'Ubuntu Mono', sans-serif;
text-transform:uppercase;
}

.box{
width:90%;
max-width:450px;
height:auto;
margin:0 auto;
margin-top:100px;
background:#222;
border-radius:7px;
```

```
    box-shadow: 0px 3px 10px 1px rgba(0, 0, 0, 0.9);  
}
```

```
.content{  
    width:85%;  
    height:auto;  
    position;;  
    margin:0 auto;  
    padding:30px 0px;  
    background;;  
    text-align:center;  
}
```

```
.content h1 {  
    font-size: 24px;  
    font-weight:400;  
    color:#FFBF00;  
    letter-spacing:0.125em;  
    text-align:center;  
}
```

```
.field {  
  
    margin-left: 10px;  
  
    text-align: center;  
  
    border-style: none;  
  
    border-color: inherit;  
  
    border-width: medium;  
  
    margin: 10px auto 10px 3px;  
  
    padding: 10px;  
  
    background: #2c2c2c;  
  
    /*box-shadow: 0px 1px 0px 0px #111;*/  
  
    border-radius: 3px;  
  
    outline: none;  
  
    color: #FFBF00;  
  
    font-weight: 700;  
  
    letter-spacing: 0.125em;  
  
    text-align: center;  
  
    text-transform: uppercase;  
  
    box-shadow: 5px 5px 20px #2c2c2c;  
  
}
```

```
::-webkit-input-placeholder { /* WebKit browsers */  
    color: #5A5A5A;  
}
```

```
:-moz-placeholder { /* Mozilla Firefox 4 to 18 */  
    color: #5A5A5A;  
}
```

```
::-moz-placeholder { /* Mozilla Firefox 19+ */  
    color: #5A5A5A;  
}
```

```
:-ms-input-placeholder { /* Internet Explorer 10+ */  
    color: #5A5A5A;  
}
```

```
.btn {
```

```
text-align: center;

width: 170px;

height: 57px;

margin: 10px auto;

padding: 10px;

background: #161616;

border: none;

box-shadow: 0px 1px 0px 0px #111;

border-radius: 3px;

outline: none;

color: #FFBF00;

font-weight: 700;

letter-spacing: 0.125em;

text-align: center;

text-transform: uppercase;

}
```

```
.btn:hover{

background:#FFBF00;

color:#333;
```

```
}
```

```
.btn:active{  
  background:#FACC2E;  
  color:#333;  
}
```

```
.auto-style1 {  
  text-align: center;  
}
```

```
.auto-style3 {  
  height: 50px;  
  width: 453px;  
}
```

```
.auto-style6 {  
  height: 50px;  
  width: 613px;  
  text-align: right;  
}
```

```
.auto-style9 {  
  width: 613px;
```



```

    }

    .auto-style10 {
        font-size: x-large;
    }

    .auto-style15 {
        width: 453px;
    }

    .auto-style16 {
        width: 613px;
        text-align: right;
    }

</style>

</head>

<body style="margin-left: 0px; margin-right: 90px">

    <form id="form1" runat="server">

        <div class="auto-style1">

            <strong style="color:#FFBF00;"><span class="auto-
style10">LOGIN FORM<br />

```


</div>

<table align="center" class="auto-style1">

<tr>

<td class="auto-style6"><strong style="color:#888;">USERNAME:-</td>

<td class="auto-style3">

<asp:TextBox ID="txtusr" runat="server" CssClass="field" Height="33px" Width="476px"></asp:TextBox>

```

</td>

<td class="auto-style3">

    <asp:RequiredFieldValidator
ID="RequiredFieldValidator1" runat="server"
ErrorMessage="USERNAME REQUIRED"
ControlToValidate="txtusr"></asp:RequiredFieldValidator>

</td>

</tr>

<tr>

    <td class="auto-style16"><strong
style="color:#888;">PASSSSWORD:-</strong></td>

    <td class="auto-style15">

        <asp:TextBox ID="txtusr0" runat="server"
CssClass="field" Height="33px"
Width="476px"></asp:TextBox>

</td>

    <td class="auto-style15">

        <asp:RequiredFieldValidator
ID="RequiredFieldValidator2" runat="server"

```

ErrorMessage="PASSWORD REQUIRED"

ControlToValidate="txtuser0"></asp:RequiredFieldValidator>

</td>

</tr>

<tr>

<td class="auto-style9"> </td>

<td class="auto-style15">

</td>

<td class="auto-style15">

 </td>

<td class="auto-style15">

 </td>

</tr>

<tr>

<td class="auto-style9">

 </td>

<td class="auto-style15">

 </td>

<td class="auto-style15">


```
<%@ Page Language="C#" AutoEventWireup="true"  
CodeBehind="WebForm10.aspx.cs"  
Inherits="Hotel_Management_1.WebForm10" %>
```

```
<!DOCTYPE html>
```

```
<script runat="server">
```

```
    Protected Sub Button1_Click(sender As Object, e As  
EventArgs)
```

```
        Response.Redirect("home_h.aspx")
```

```
    End Sub
```

```
</script>
```

```
<html xmlns="http://www.w3.org/1999/xhtml">
```

```
<head runat="server">
```

```
    <title></title>
```

```
    <style type="text/css">
```

```
.auto-style1 {  
    margin-left: 59px;  
}  
  
body{  
background:#161616;  
color:#888;  
font-family: 'Ubuntu Mono', sans-serif;  
text-transform:uppercase;  
}  
  
.btn {  
    text-align: center;  
    width: 192px;  
    height: 57px;  
    margin: 10px auto;  
    padding: 10px;  
    background: #161616;  
    border: none;  
    box-shadow: 0px 1px 0px 0px #111;  
    border-radius: 3px;  
    outline: none;
```



```
        color: #FFBF00;
        font-weight: 700;
        letter-spacing: 0.125em;
        text-align: center;
        text-transform: uppercase;
    }
```

```
.btn:hover{
    background:#FFBF00;
    color:#333;
}
```

```
.btn:active{
    background:#FACC2E;
    color:#333;
}
```

```
</head>
```

```
<body>
```

```
<form id="form1" runat="server">
```

```

    <asp:GridView ID="GridView1" runat="server"
AllowSorting="True" AutoGenerateColumns="False"
DataKeyNames="h_id" DataSourceID="SqlDataSource1"
EmptyDataText="No records found" CssClass="auto-style1"
Width="1753px">
    <Columns>
        <asp:BoundField DataField="h_id" HeaderText="h_id"
ReadOnly="True" SortExpression="h_id" />
        <asp:BoundField DataField="h_name"
HeaderText="h_name" SortExpression="h_name" />
        <asp:BoundField DataField="h_loc"
HeaderText="h_loc" SortExpression="h_loc" />
        <asp:BoundField DataField="h_info"
HeaderText="h_info" SortExpression="h_info" />
        <asp:BoundField DataField="h_contact_details"
HeaderText="h_contact_details"
SortExpression="h_contact_details" />
        <asp:BoundField DataField="h_rating"
HeaderText="h_rating" SortExpression="h_rating" />

```

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data;
using System.Data.SqlClient;
namespace feedback
{
    public partial class ViewProduct : System.Web.UI.Page
    {
        SqlConnection con;
        SqlCommand cmd;
        string str;
        SqlDataAdapter da;
        DataSet ds;
        protected void Page_Load(object sender, EventArgs e)
```

```
{  
    con = new SqlConnection("Data  
Source=JARVIS\\SQLEXPRESS;Initial  
Catalog=feedback;Integrated Security=True");  
  
    con.Open();  
  
    cmd = new SqlCommand("Select * from feedback", con);  
  
    da = new SqlDataAdapter(cmd);  
  
    ds = new DataSet("feedback");  
  
    da.Fill(ds);  
  
    GridView5.DataSource = ds.Tables[0];  
  
    GridView5.DataBind();  
  
}  
  
}  
  
}
```

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data;
using System.Data.SqlClient;
namespace Hotel_Management_1
{
    public partial class Register : System.Web.UI.Page
    {
        SqlConnection con;
        SqlCommand cmd;
        String str;
        protected void Page_Load(object sender, EventArgs e)
        {
```



```
        con = new SqlConnection("Data
Source=JARVIS\\SQLEXPRESS;Initial
Catalog=hotel_info;Integrated Security=True");
    }
```

```
protected void Button3_Click(object sender, EventArgs e)
{
    con.Open();

    cmd = new SqlCommand("Select * from h_info ", con);

    cmd.CommandText = "insert into hotel_info values(" +
h_id.Text + ", " + h_name.Text + ", " + h_loc.Text + ", " +
h_info.Text + ", " + h_contact_details.Text + ", " + h_rating.Text
+ ", " + h_restaurant.Text + ", " + h_addr.Text + ", " + type.Text
+ ")";

    cmd.ExecuteNonQuery();

    Response.Write("Saved!");

    con.Close();
}
}
```