PROJECT REPORT

ON

ONLINE ADMISSION SYSTEM

FOR

PAARIJAT SOFTWARE SOLUTIONS PVT. LTD.

BY

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UNIVERSITY OF PUNE

MASTER IN COMPUTER APPLICATIONS

MAHARASHATRA EDUCATION SOCIETY'S

INSTITUTE OF MANAGEMENT AND CAREER COURSES

(IMCC), PUNE-411029

2012-2013

Paarijat
Software Solutions Pvt Ltd .

April 08,2013

To Whomsoever It May Concern

This is to certify that

Mr. Amit Kumar

Pursuing final year of MCA from Institute of Management & Career Courses has successfully completed the project sponsored by Paarijat s/w Solutions Pvt. Ltd. In the period between 20/08/2012 to 08/04/2013.

For Paarijat s/w Pvt. Ltd.

Mr. Brijmohan Mishra

Director

CERTIFICATE

This is to certify that **Amit Kumar** has completed the project work entitled "**Online Admission System**" under my guidance. This report is submitted in partial fulfillment of M.C.A. Syllabus for the Academic Year 2012-2013 as per the rules & prescribed guidelines of University of Pune.

His work is found to be satisfactory and completed in all respects.

Mrs. Swapnaja Patwardhan

(Internal Project Guide)

ACKNOWLEDGEMENT

I hereby take this opportunity to express my gratitude to all the people who have influenced the making of this "Online Admission System".

I would like to thank **Mr. Vinay Jagnani** and **Mrs. Deepti Jain** whose valuable guidance made this project a success. I also thank to entire team involved in this project for their support and guidance at every stage of this project.

I would like to thank **Dr. V. H. Inamdar (Director, IMCC)** and **Dr. Santosh Deshpande (HOD, IMCC)** for their support in my years in IMCC.

Last but not the least, I would like to express my sincere thanks to **Mrs. Swapnaja Patwardhan (Internal Guide, IMCC)**, who has given me excellent technical and moral support during my project period. Also, I would like to thank all the teachers in IMCC for their precious guidance and support throughout my post graduation period.

Amit Kumar

M.C.A (2010-2013)

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Chapter 1

INTRODUCTION

1.1 <u>Company Profile</u>

Paarijat Softwares is a leading solution provider for Internet based applications as well as stand alone applications. The company has been promoted by some highly experienced Professionals dedicated to provide total IT solutions under one roof. It possesses not only the latest technology gadgets but also the most knowledgeable and experience hands to offer most user friendly customized solutions. Paarijat Softwares provides high quality on site services for software development and the end users on a broad range of hardware and software platforms and latest technologies.

At Paarijat Softwares with Technical proficiency and expertise, we cohesively integrate graphic design with web page layout, with interactive programming, with database driven content, to plan, build and deploy e-business and to emerge as one of the top IT service provider.

Paarijat Softwares provides services like Web Application Development, Mobile Development,

Testing Q.A., C.M.S, e-Commerce, Off-Shore Outsourcing, Website/Server Maintenance Services.

The business philosophy of the company is to lay emphasis on Human Values and Personal Relations. 'At Paarijat Softwares – End to end solutions for you'. Great stress is laid on proper communication, transparency and human relations, which forms an integral part of the corporate culture. At Paarijat Softwares, we not only develop products but we develop relationships. We at Paarijat Softwares believe in teamwork. With every new day the quest for acquiring new competencies continues. Forever searching, experimenting, innovating, learning, moving ahead with our sincere efforts and dedications, shaping the future, and challenging our competencies to create new opportunities, is a never-ending process in the company.

1.2 <u>Existing System and Need of the System</u>

Existing System of School Management is not automated and is based on manual activities so the entire load is on personnel working with the school. This manual system requires special skilled staff, which maintains relationship with student and guardians. Existing system has a lot of problems regarding the operations, which are performed on the daily basis. The response time of the existing system is very poor regarding some operations. The school has to manage all the records of student and their staff. In the existing system, it is very difficult to retrieve the information of a particular student. When an old student wants to retrieve any information about him or herself then it is a tedious task for the office staff.

To help promote students for their achievement and success, school must have access to complete and accurate information in time. One of the benefits of automated system is that the student record system will simplify retrieval of required information and is a great instrument for school

improvement by taking measures from the information acquired. The school is using paper based documentation system for performing various task and the school administrators apply their knowledge of hit and miss approach in scheduling classes and courses which is a sheer waste of manpower and much time unnecessarily that does not utilize the current technology.

Allotment of section and roll to the student is very difficult for the staff. Teacher may want to associate a student with his parent or emergency persons for disciplinary measure which need searching of the students record in the record office. It has been difficult to search a record from thousands of such records and it been observed that student can take any person claiming that he/she is their parent or emergency person which creates a problem in control of student.

Due to inefficiency of the current manual system, the need arises to automate system in order to efficiently handle student's information and allot section and roll number to students.

Currently the process of admissions are carried manually, maintaining section and roll number to all the students is tedious and time consuming work process which turns into loss of time and manpower to the school.

The need of the system is as follows:-

- Need a proper GUI for the new system to work efficiently.

- Need to generate quick response to any enquiry, so that student does not have to wait for long.

- Easy maintenance.

- Increase efficiency.

- More secured.

- Reduced manual work.

1.3 <u>Scope of the Work</u>

The aim of school management system is to automate the process of school management. Reduce the tedious work of store and save the information of student. We need to enter, store and search huge amount of information related to large number of students and teachers from the school. Our system reduces the work load of system by automating all the related processes electronically. This system not only automates the data entry for student details but also maintains the student section and rolls number.

This project include following scope:-

- **Enquiry: -** This module is used for maintaining the details of student during the Enquiry process.

- **Registration: -** This module is used for maintaining the details of student during the Registration Process. Registration process will be happened after the Enquiry process. The student who has done Enquiry can eligible for Registration process.

- **Admission: -** This module is used for maintaining the details of student during the Admission Process. Admission process will be happened after the Registration process. The student who has done Registration can eligible for Admission process. During the Admission process students have to fill all personal, parents, address, health and other details.

- **Admission Cancellation: -** This module is used for maintenance of cancellation detail of a student.

- **Allotment of Section and Roll Number: -** This module is used for allotment of section and rolls number to the students.

- **Document Upload: -** This module is used for uploading the document of student by Admin.

- **Class Teacher Allotment: -** This module is used for allotment of class teacher to a particular class.

- **Define Master :-**

a) Class: - With the help of this module Admin can add and update a class in particular session.

b) Section: - With the help of this module Admin can add and update a section in particular class.

c) Session: - With the help of this module Admin can add and update a session.

d) Stream: - With the help of this module Admin can add and update a stream.

e) Nationality: - With the help of this module Admin can add and update nationality.

f) Notice and Event: - With the help of this module Admin can add and update Notice and Event.

g) Admission Schedule: - With the help of this module Admin can add and update Admission Schedule.

It generates report like Transfer Certificate, Enquiry details, Registration details, Student details, Class and Section wise details and Strength of particular class etc.

1.4 <u>Operating Environment - Hardware and Software</u>

Hardware Requirement:-

Server Side:-

              Processor   : - Intel Dual core 1.60 GHz or More

              RAM   : - 1 GB

Client Side:-

              Processor   : - Intel Pentium or More

              RAM   : - 512 MB

Software Requirement:-

Server Side:-

        Internet Explorer 6.0 or later version.

        MYSQL

        Windows XP

        JDK 1.5

        Tomcat 7.0

Client Side:-

        Internet Explorer 6.0 or later version.

1.5 Detail Description of technology Used

J2EE

The Java 2 Platform, Enterprise Edition (J2EE) defines the standard for developing multitier enterprise applications. The J2EE platform simplifies enterprise applications by basing them on standardize, modular components, by providing a complete set of services to those components, and by handling many details of application behavior automatically, without complex programming.

The J2EE platform takes advantage of many features of the Java 2 Platform, standard edition (J2EE), such as "Write Once Run Anywhere" portability, JDBC API for database access, CORBA technology for interaction with exiting enterprise resources, and a security model that protects data even in internet applications. Building on this base, Java 2 Platform, Enterprise Edition adds full support for enterprise

JavaBeans components, java Servlets API, Java Server Pages and XML technology.

The J2EE standard includes complete specifications and compliance tests to ensure probability of applications across the wide range of existing enterprise system capable of supporting the J2EE platform.

JSP

Java Server Pages (JSP) is a java technology that helps software developers serve dynamically generated web pages based on HTML, XML, or other document types. Released in 1999 as Sun's answer to ASP and PHP, JSP was designed to address the perception that the Java programming equivalent didn't provide developers with enough support for the web.JSP syntax is a fluid mix of two basic content forms: Scriptlet elements and markup. Markup is typically standard HTML or XML, While Scriptlet elements are delimited blocks of java code. This may be intermixed with the markup. When the page is requested the java code is executed and its output is added, in situ,

with the surrounding markup to create the final page.JSP pages must be compiled to Java byte code classes before they can be executed, but such compilation is needed only when a change to the source JSP file has occurred.

The JSP syntax adds additional XML-like tags called JSP actions, to invoke built in functionality.

TOMCAT 7.0 (SERVER)

Apache Tomcat (or Jakarta Tomcat or simply Tomcat) is an open source servlet container developed by Apache Software Foundation (ASF). Tomcat implements the Java Servlet and the Java Server Pages (JSP) specifications from Sun Microsystems, and provides a "pure java" HTTP web server environment for java code to run.

Tomcat should not be confused with the Apache web server, which is a C implementation of HTTP web server; these two web servers are not bundled together. Apache Tomcat includes tools for configuration

and management, but can also be configured by editing XML configuration files.

Advanced Tomcat Features

- The following subjects are discussed

- Accept Logs

- Single Sign-on

- Request Filtering

- Persistent Session Manager

- Tomcat and JDBC, JNDI

- JAVA Mail Session

- Configuring Lifecycle Listeners

MYSQL

MYSQL is a free, widely used SQL engine. It can be used as a fast database as well as a rock-solid DBMS using modular engine architecture.

The purpose of this wiki book is to provide a practical knowledge on using the database from two points of view :

- application developer: learn about SQL basics, MyAdmin, query optimization

- system administrator: learn about installation, security, maintenance, failover, high availability

The reasons for using MYSQL as a backend are

- It is freeware

- Open source

- Relational database

- Compatible with SQL.

- Supports cursors Triggers and Stored procedures.

- Graphical user Interface.

- Speed

- Platform Independent

- Performance

Chapter 2

PROPOSED SYSTEM

2.1 <u>Proposed System</u>

The development of this new system contains the following activities, which try to automate the entire process keeping in the view of database integration approach.

- User Friendliness is provided in the application with various controls provided by system Rich User Interface.

- The system makes the overall project management much easier and flexible.

- The user information can be stored in centralized database which can be maintained by the system.

- This can give the good security for user information because data is not in client machine.

- Authentication is provided for this application only registered Users can access.

- There is no risk of data management at any level while the project development is under process.

2.2 <u>Objective of the System</u>

After studying existing system and database of the company I have found that company needs following user requirements:-

- The system should be user friendly which can easily interact with the users.

- The system should reduce the paper work.

- System should be easy to operate and understand.

- The record kept in the database should be easily retrieved.

- System should provide the report generation facility so user can get the information quickly.

- To reduce redundancy of data.

- Enforcement of proper integrity constraint.

- To maintain the record of enquiry, registration and Admission process details.

- The system should generate important and useful reports.

- To maintain the record of student section and roll number.

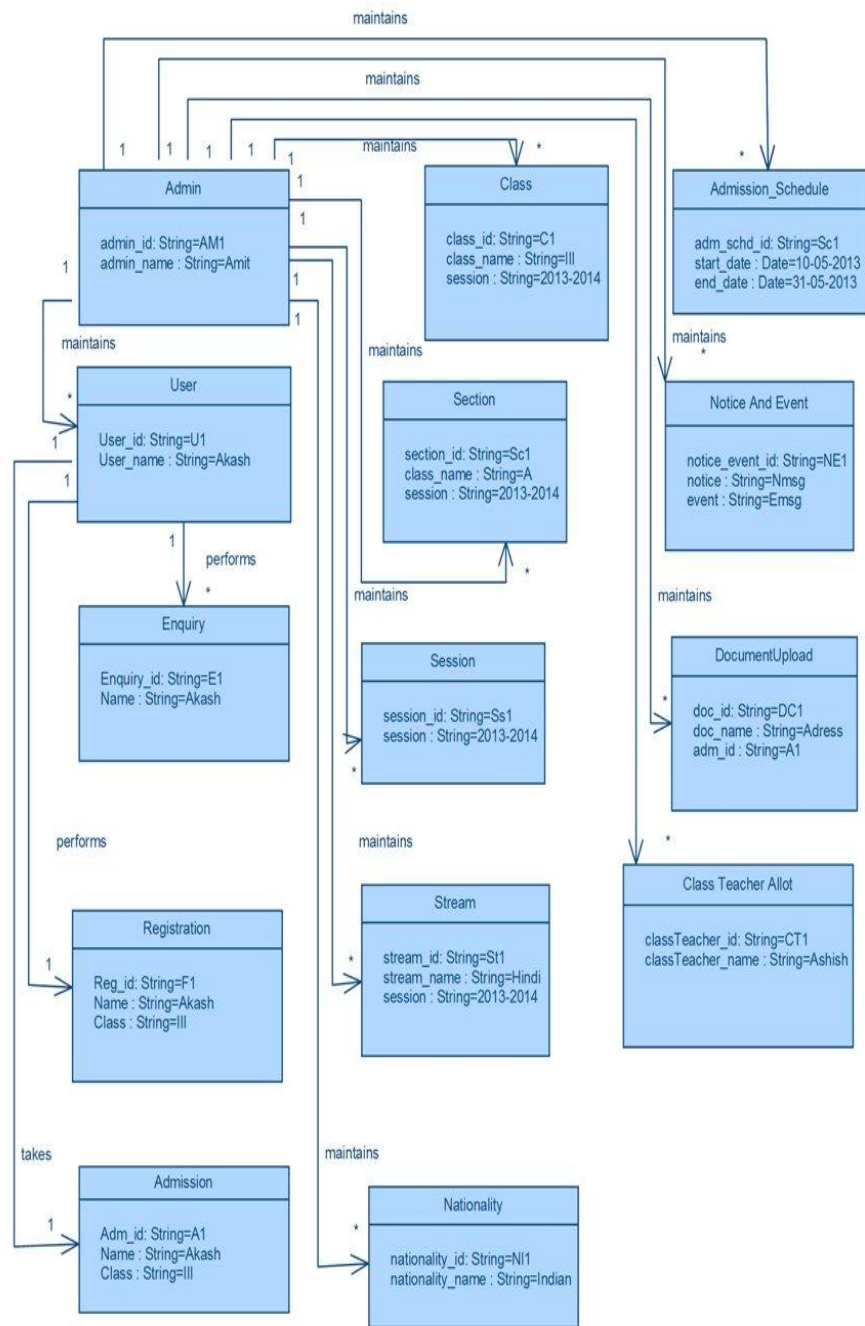- To maintain the record of student transfer certificate.

2.3 User Requirement

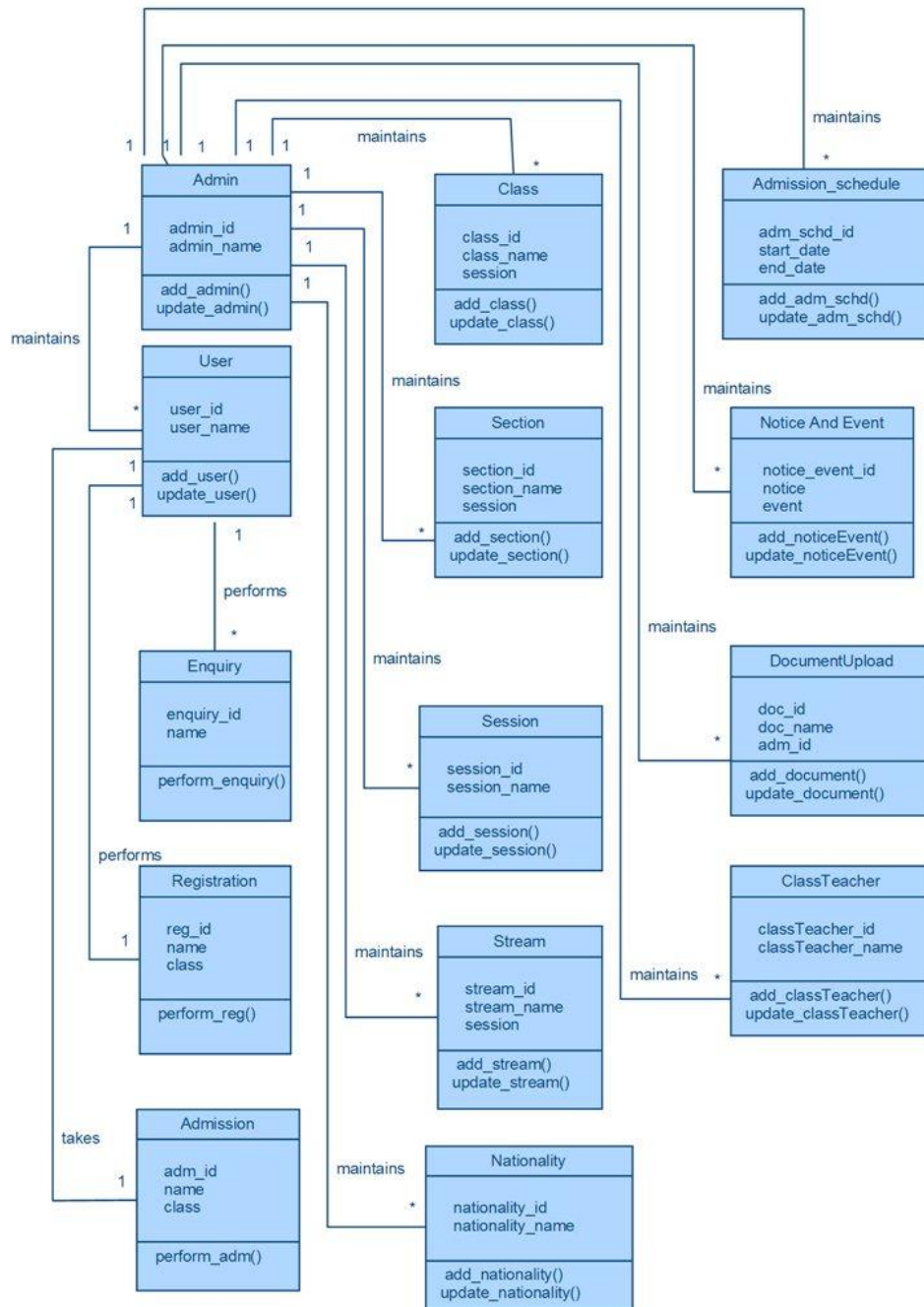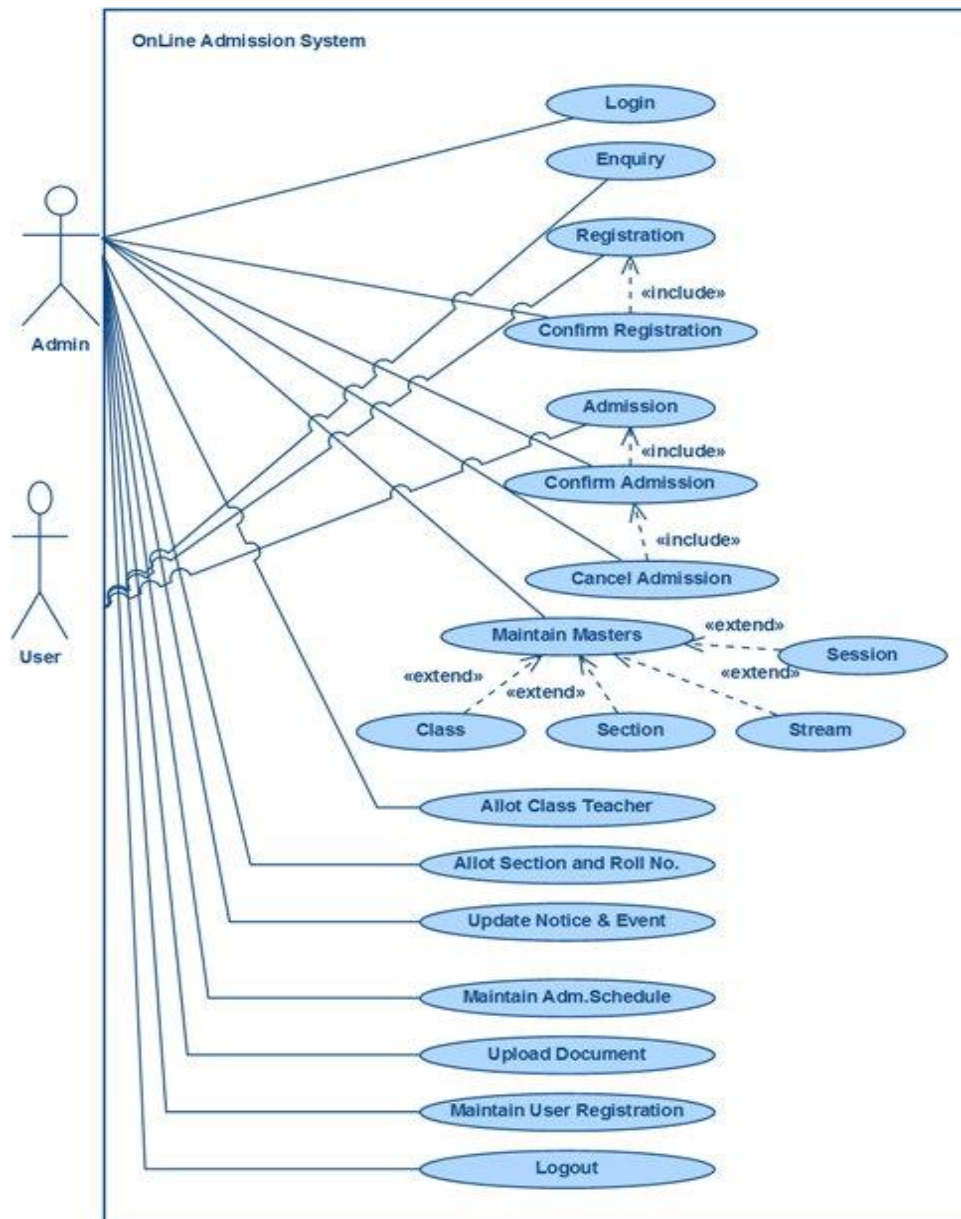| Sr. No.	Requirement	Description
1	Automatic	System should contain more of a automatic work rather than manual work.
2	Record Searching	Searching of record should be done easily.
3	Reflection of changes	If changes are to be made in one record then they have to be reflected in other required fields.
4	Report Generation	Report should be generated as per their requirements and in short duration of time.
5	Sorting Transaction	All the transaction should be sorted in database in proper sequence.
6	Interactivity	The system should be interactive.
7	Details of previous transactions	There should be easy way to retrieve the previous transactions.

Chapter 3

ANALYSIS AND DESIGN
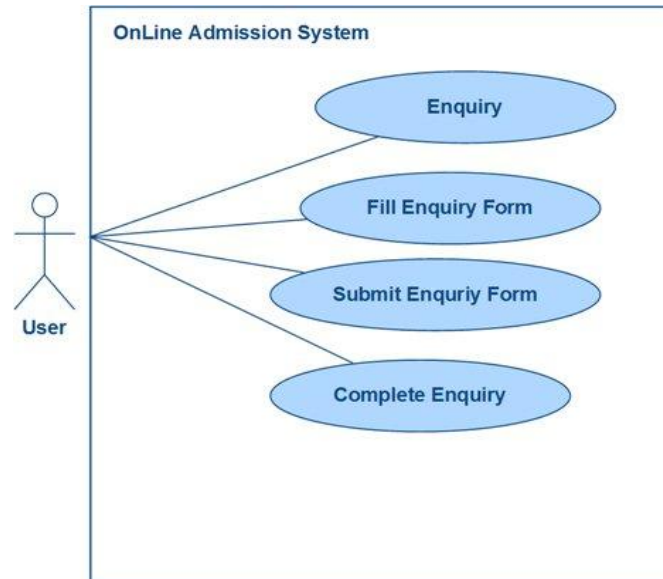
3.1 OBJECT DIAGRAM

3.2 CLASS DIAGRAM
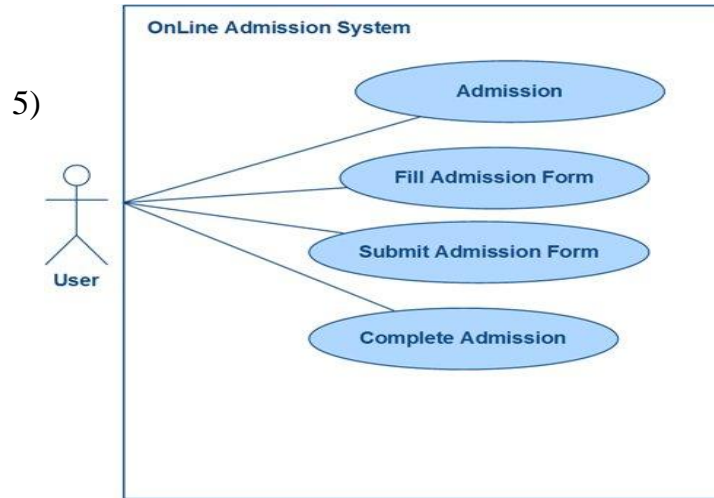
3.3 USECASE DIAGRAM

1) BUSINESS USECASE

OnLine Admission System

Actors: Admin, User

Use cases: Login, Enquiry, Registration, Confirm Registration «include», Admission, Confirm Admission «include», Cancel Admission «include», Maintain Masters «extend» Session, «extend» Class, «extend» Section, «extend» Stream, Allot Class Teacher, Allot Section and Roll No., Update Notice & Event, Maintain Adm.Schedule, Upload Document, Maintain User Registration, Logout

2) ENQUIRY USECASE

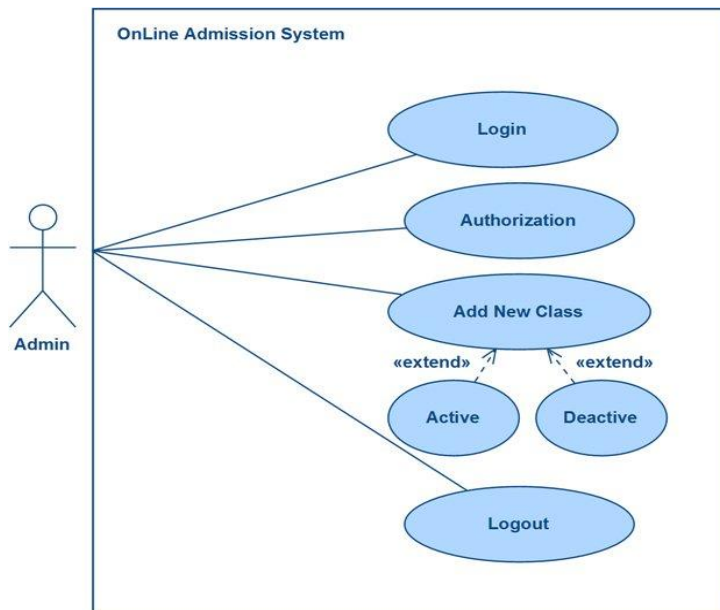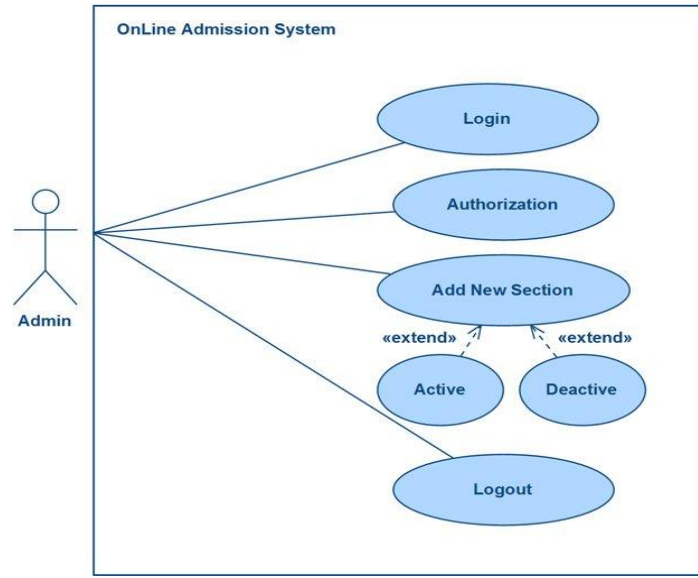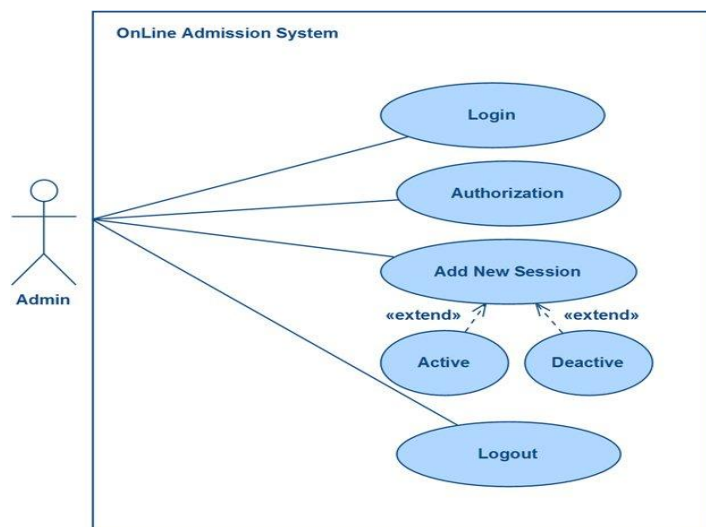## 3) REGISTRATION USECASE
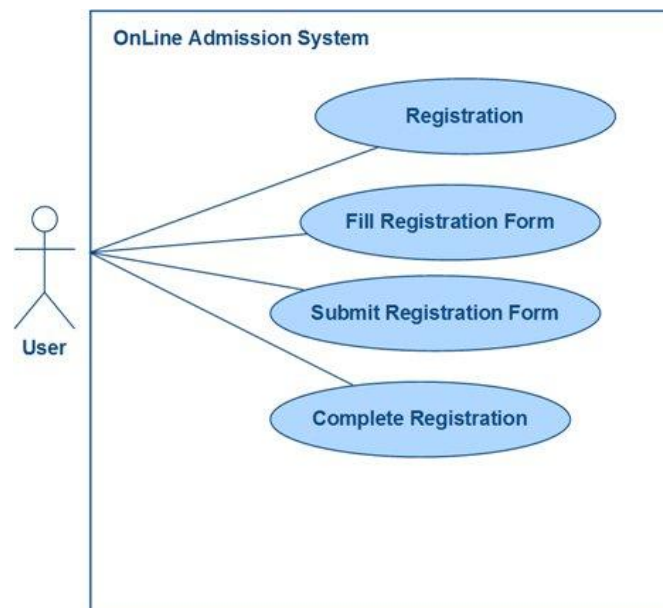
4) ADMISSION USECASE

5)

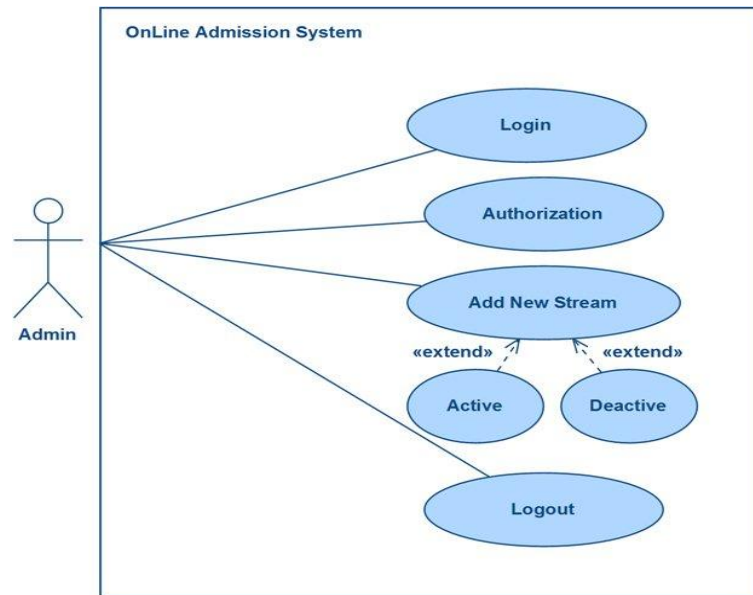## 5) CLASS USECASE

6) SECTION USECASE

OnLine Admission System

Admin

- Login
- Authorization
- Add New Section
  - «extend» — Active
  - «extend» — Deactive
- Logout

7) SESSION USECASE

OnLine Admission System

Admin

- Login
- Authorization
- Add New Session
  - «extend» — Active
  - «extend» — Deactive
- Logout

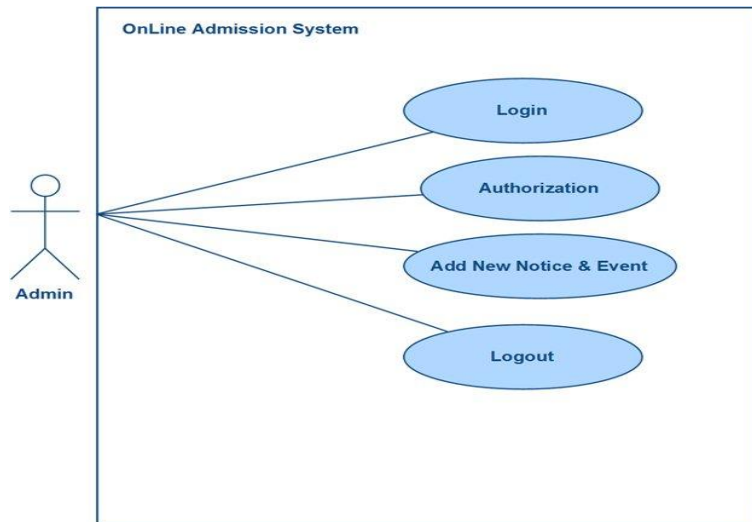## 8) STREAM USECASE

9) NATIONALITY USECASE
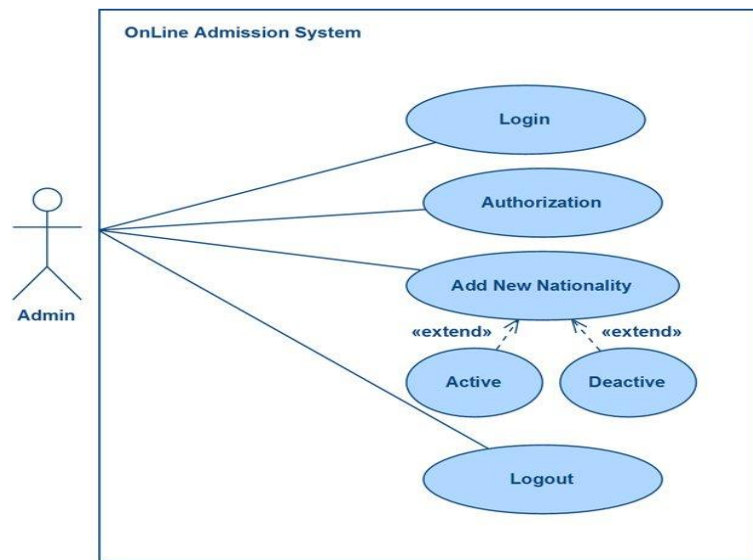
10) NOTICE AND EVENT USECASE

OnLine Admission System

- Login
- Authorization
- Add New Notice & Event
- Logout

Admin

11) ADMISSION SCHEDULE USECASE

OnLine Admission System

- Login
- Authorization
- Add Admission Schedule
- Logout
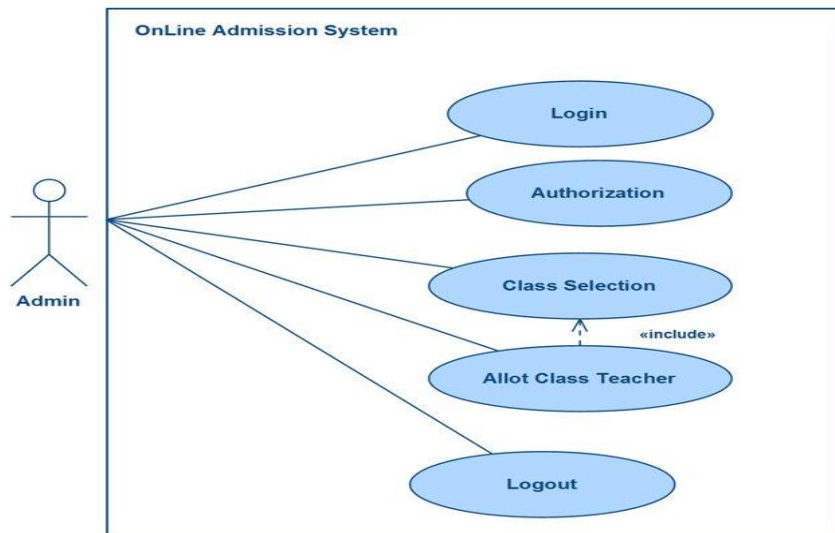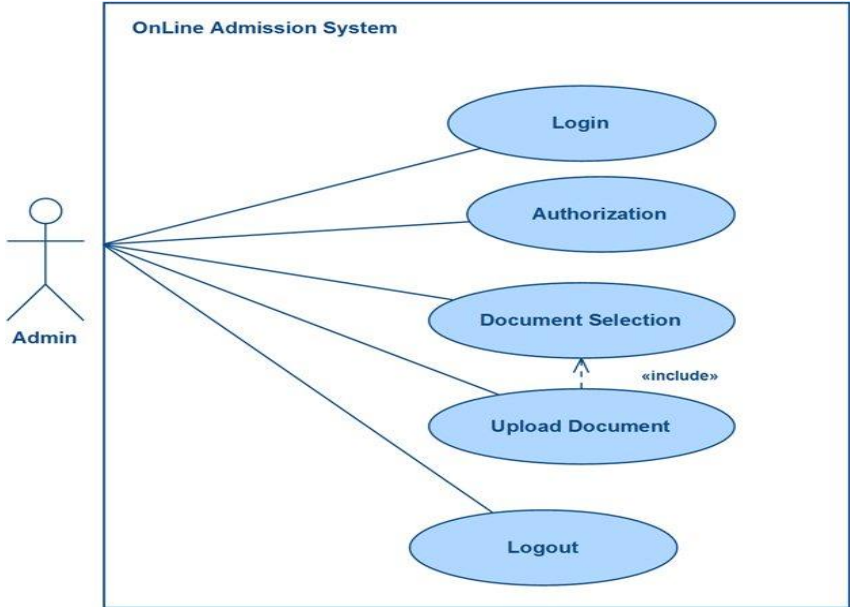
Admin
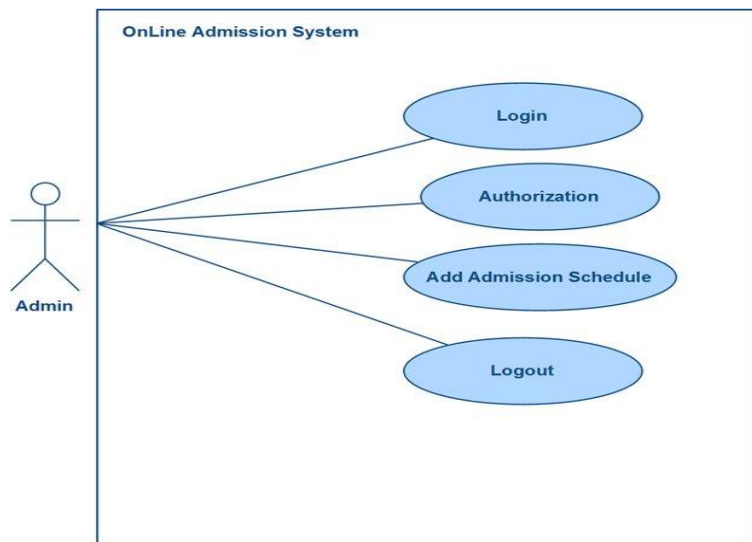
12) ADMISSION CANCELLATION USECASE
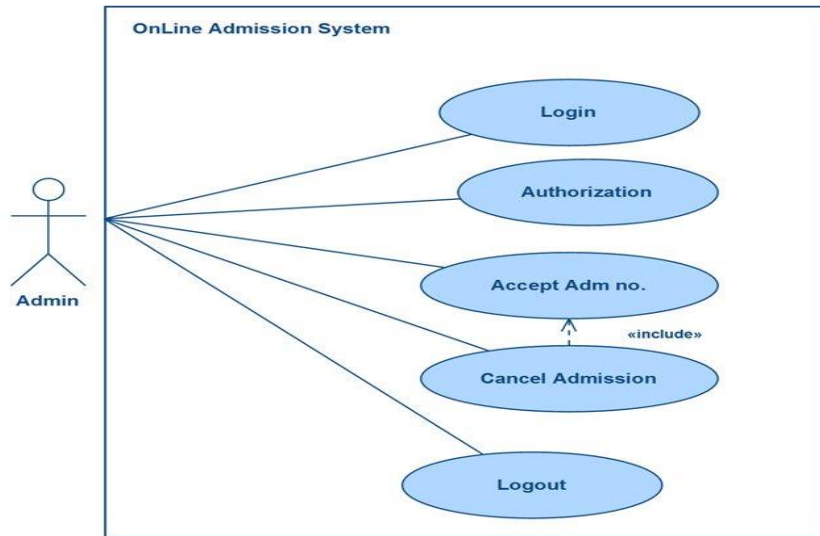
13) CLASS TEACHER ALLOTMENT USECASE

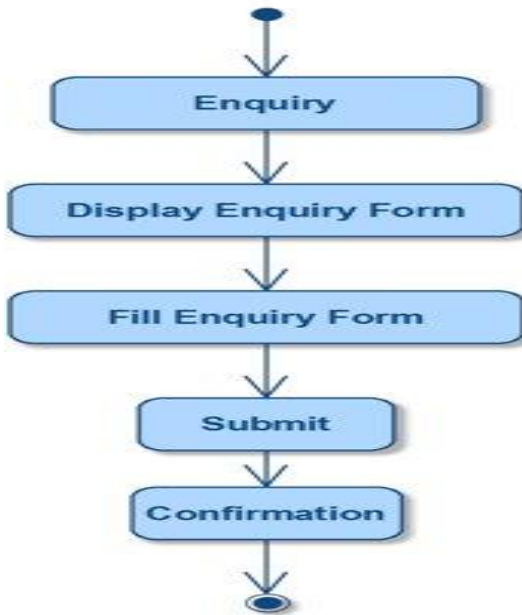## 14)   DOCUMENT UPLOAD USECASE

3.4 ACTIVITY DIAGRAM
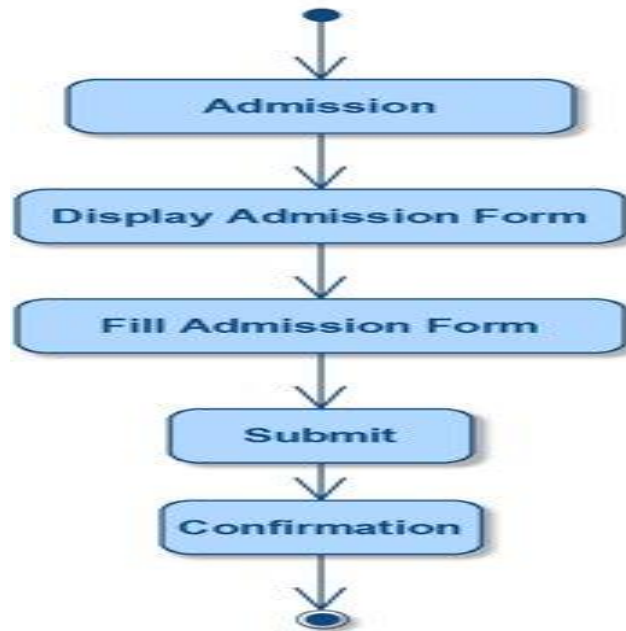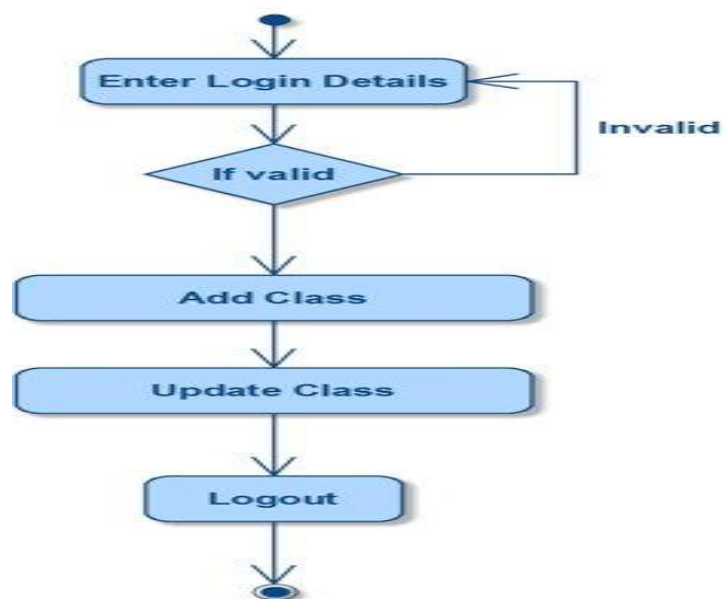
1) ENQUIRY ACTIVITY DIAGRAM

```
                    ●
                    │
                    ▼
         ┌─────────────────────┐
         │      Enquiry        │
         └─────────────────────┘
                    │
                    ▼
         ┌─────────────────────┐
         │ Display Enquiry Form│
         └─────────────────────┘
                    │
                    ▼
         ┌─────────────────────┐
         │  Fill Enquiry Form  │
         └─────────────────────┘
                    │
                    ▼
            ┌─────────────┐
            │   Submit    │
            └─────────────┘
                    │
                    ▼
          ┌─────────────────┐
          │  Confirmation   │
          └─────────────────┘
                    │
                    ▼
                    ◉
```

2) REGISTRATION ACTIVITY DIAGRAM

```
                    ●
                    │
                    ▼
         ┌─────────────────────────┐
         │      Registration       │
         └─────────────────────────┘
                    │
                    ▼
         ┌───────────────────────────┐
         │ Display Registration Form │
         └───────────────────────────┘
                    │
                    ▼
         ┌──────────────────────────┐
         │  Fill Registration Form  │
         └──────────────────────────┘
                    │
                    ▼
            ┌─────────────┐
            │   Submit    │
            └─────────────┘
                    │
                    ▼
          ┌─────────────────┐
          │  Confirmation   │
          └─────────────────┘
                    │
                    ▼
                    ◉
```

3) ADMISSION ACTIVITY DIAGRAM

```
                    ●
                    │
                    ▼
            ┌─────────────────┐
            │    Admission    │
            └─────────────────┘
                    │
                    ▼
        ┌─────────────────────────┐
        │  Display Admission Form │
        └─────────────────────────┘
                    │
                    ▼
        ┌─────────────────────────┐
        │   Fill Admission Form   │
        └─────────────────────────┘
                    │
                    ▼
            ┌─────────────────┐
            │      Submit     │
            └─────────────────┘
                    │
                    ▼
            ┌─────────────────┐
            │  Confirmation   │
            └─────────────────┘
                    │
                    ▼
                    ◉
```

4) CLASS ACTIVITY DIAGRAM

```
                    ●
                    │
                    ▼
        ┌─────────────────────────┐
        │   Enter Login Details   │◄───────┐
        └─────────────────────────┘        │
                    │                   Invalid
                    ▼                       │
                ◇ If valid ◇───────────────┘
                    │
                    ▼
        ┌─────────────────────────┐
        │        Add Class        │
        └─────────────────────────┘
                    │
                    ▼
        ┌─────────────────────────┐
        │      Update Class       │
        └─────────────────────────┘
                    │
                    ▼
            ┌─────────────────┐
            │     Logout      │
            └─────────────────┘
                    │
                    ▼
                    ◉
```
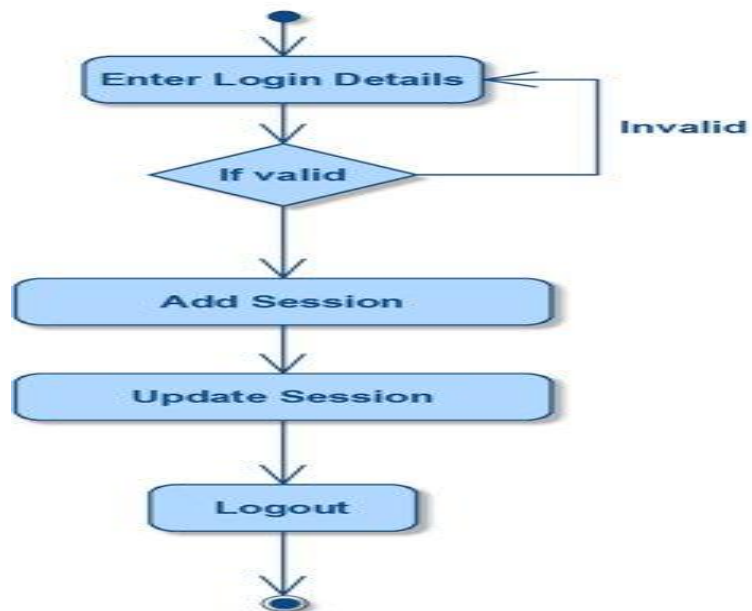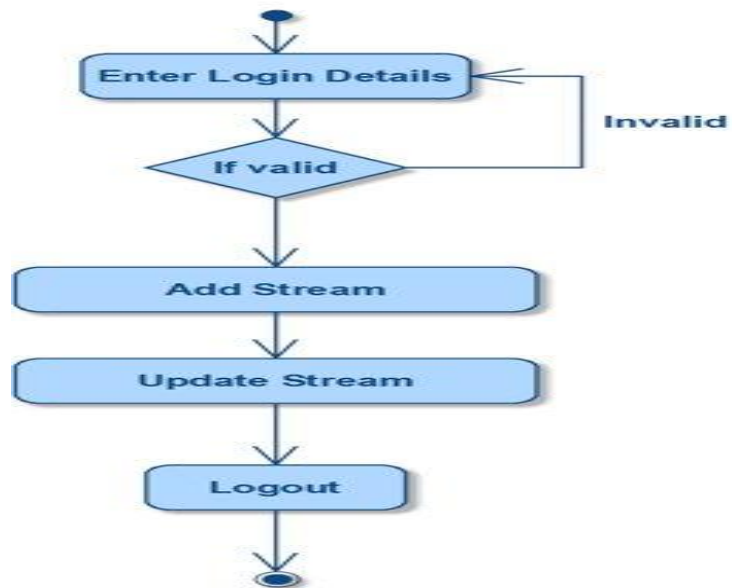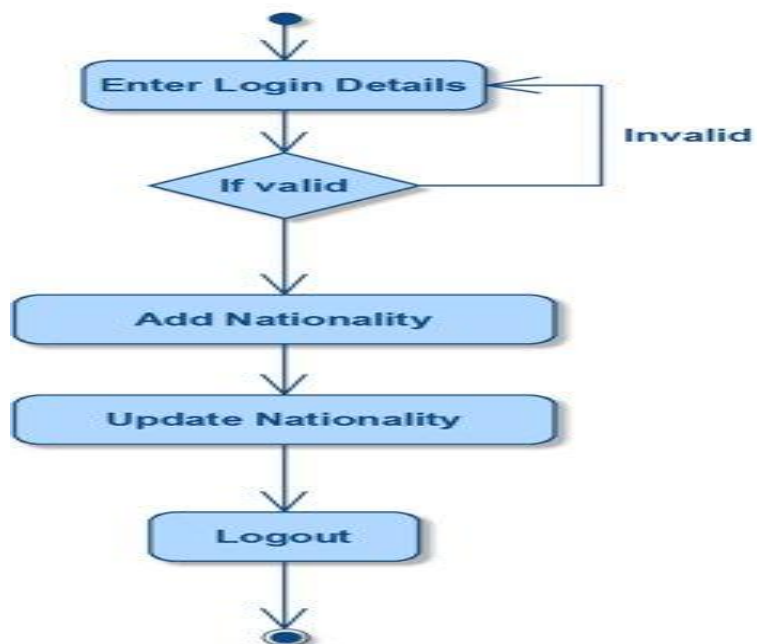
5) SECTION ACTIVITY DIAGRAM
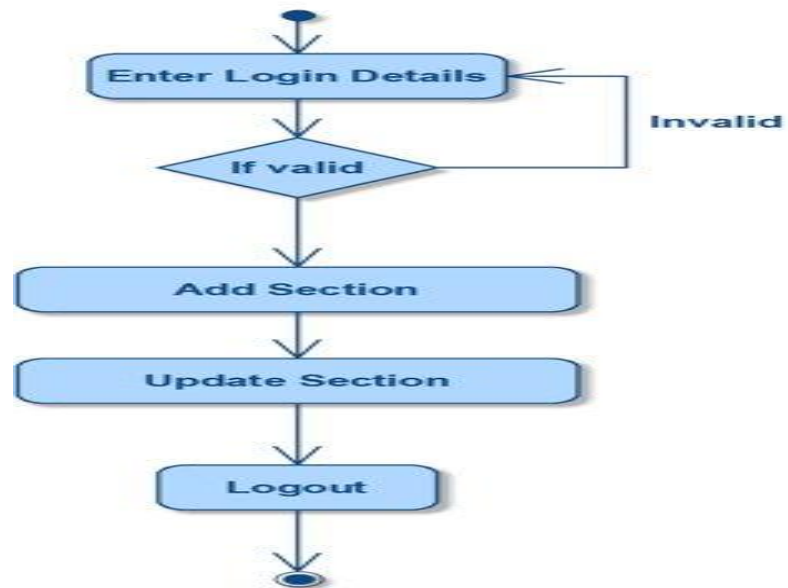
6) SESSION ACTIVITY DIAGRAM
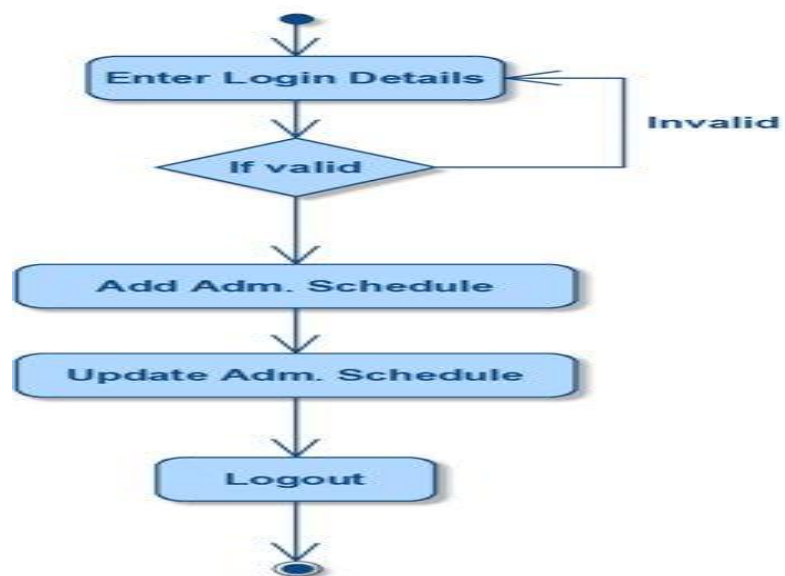
7) STREAM ACTIVITY DIAGRAM

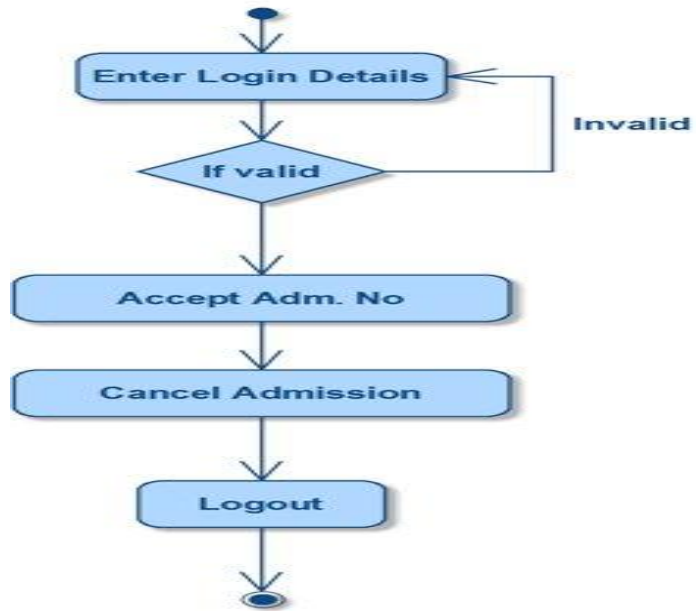## 8) NATIONALITY ACTIVITY DIAGRAM

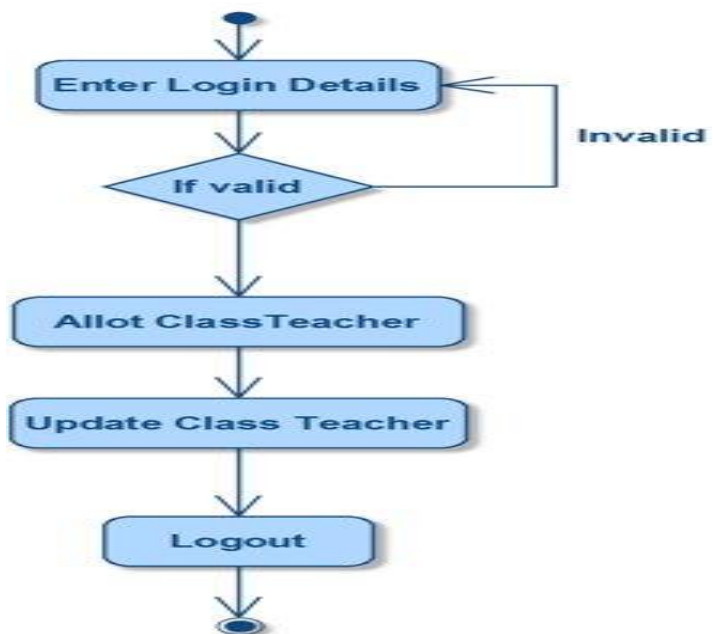## 9) NOTICE AND EVENT ACTIVITY DIAGRAM

10)   ADMISSION SCHEDULE
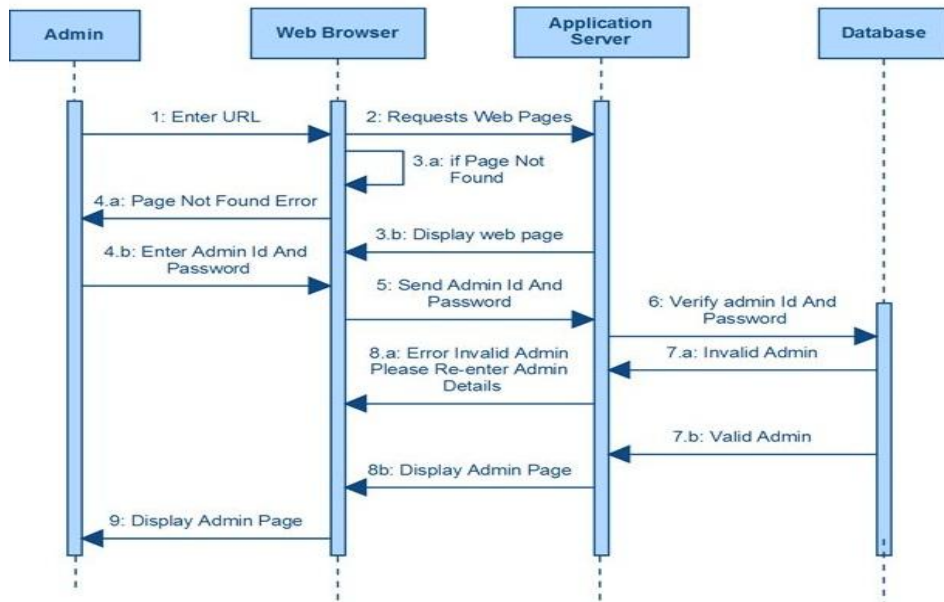
11) ADMISSION CANCELLATION

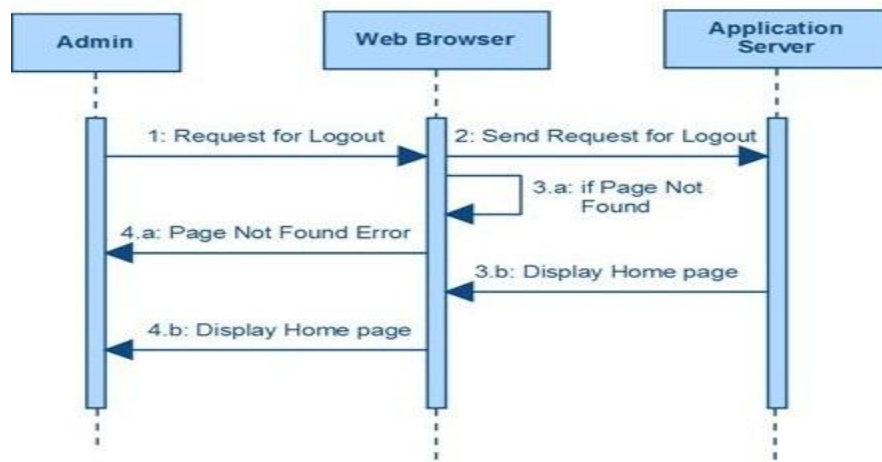

12) CLASS TEACHER ALLOTMENT

13)   DOCUMENT UPLOAD
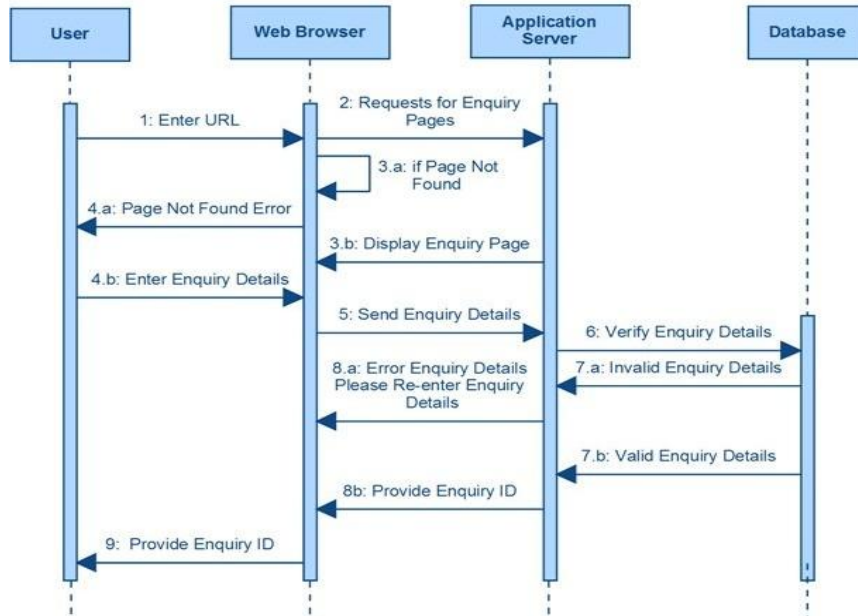
3.5 SEQUENCE DIAGRAM

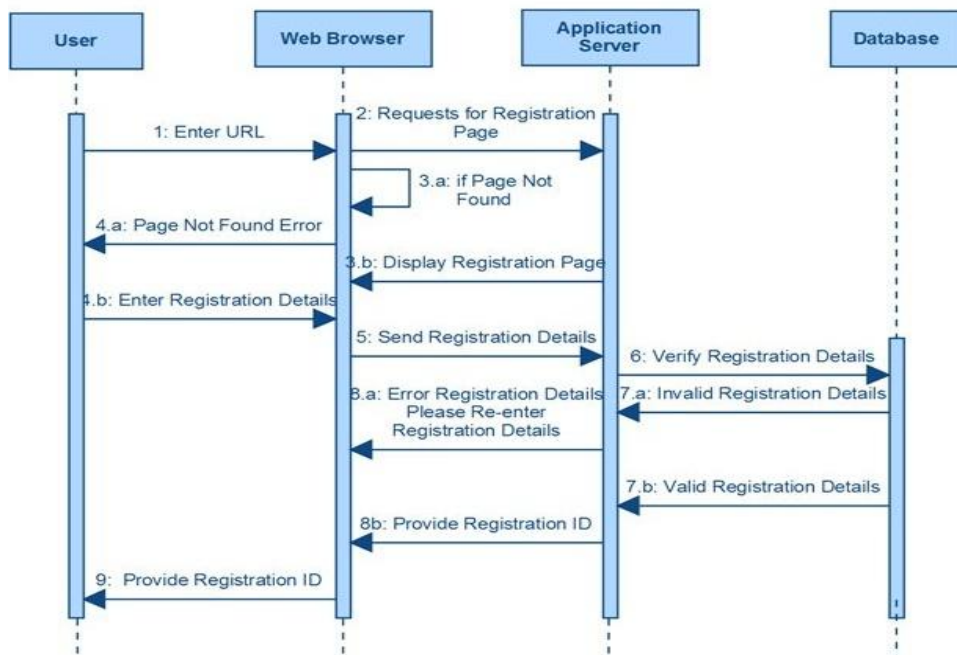### 1) ADMIN LOGIN SEQUENCE DIAGRAM
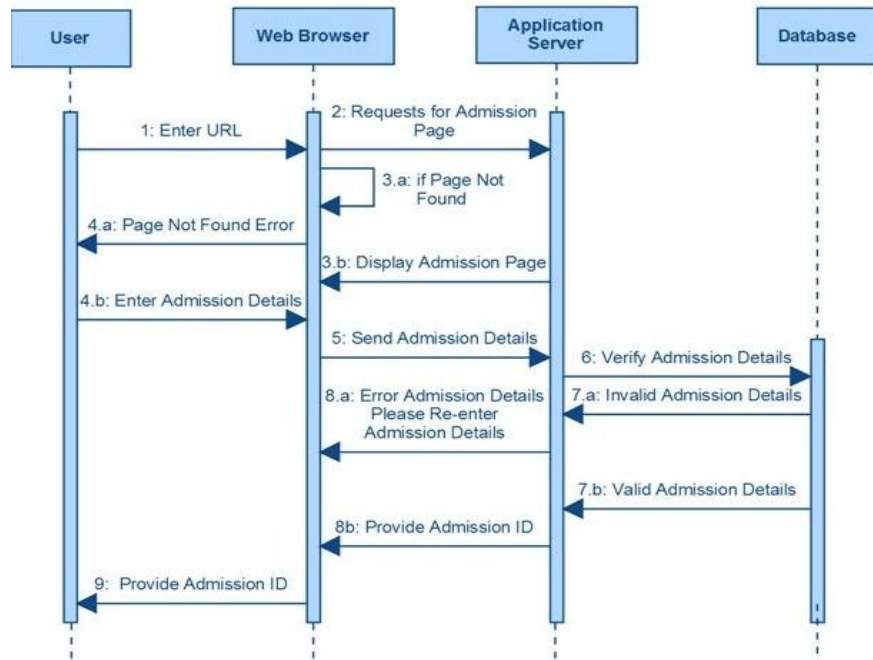

2) ADMIN LOGOUT SEQUENCE DIAGRAM

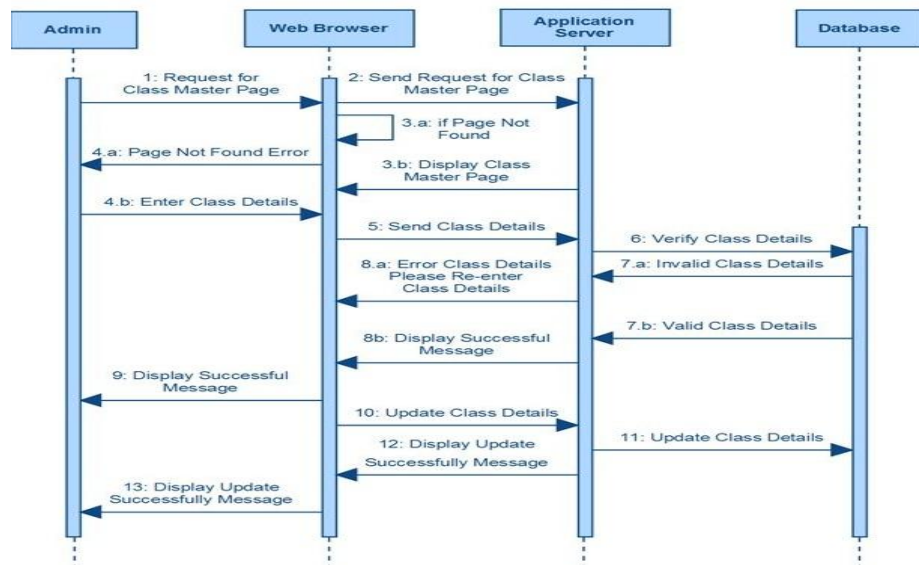## 3) ENQUIRY SEQUENCE DIAGRAM

4) REGISTRATION SEQUENCE DIAGRAM
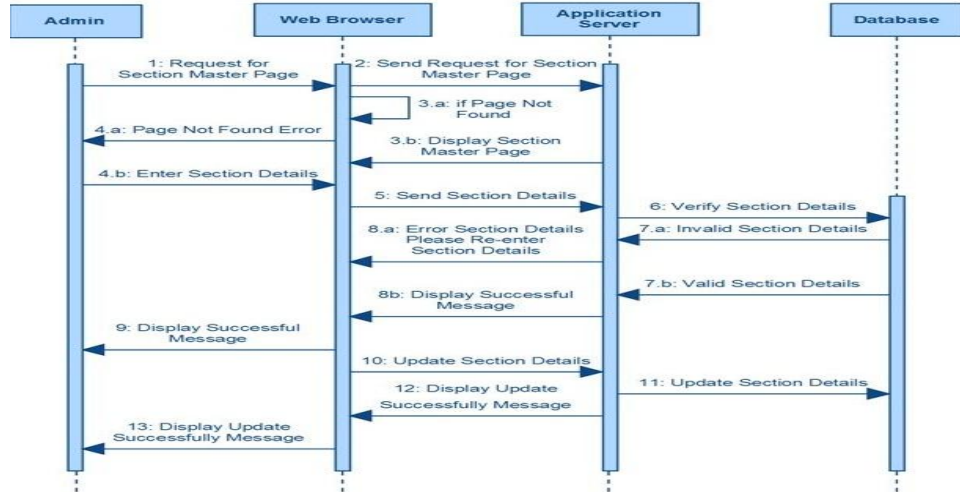
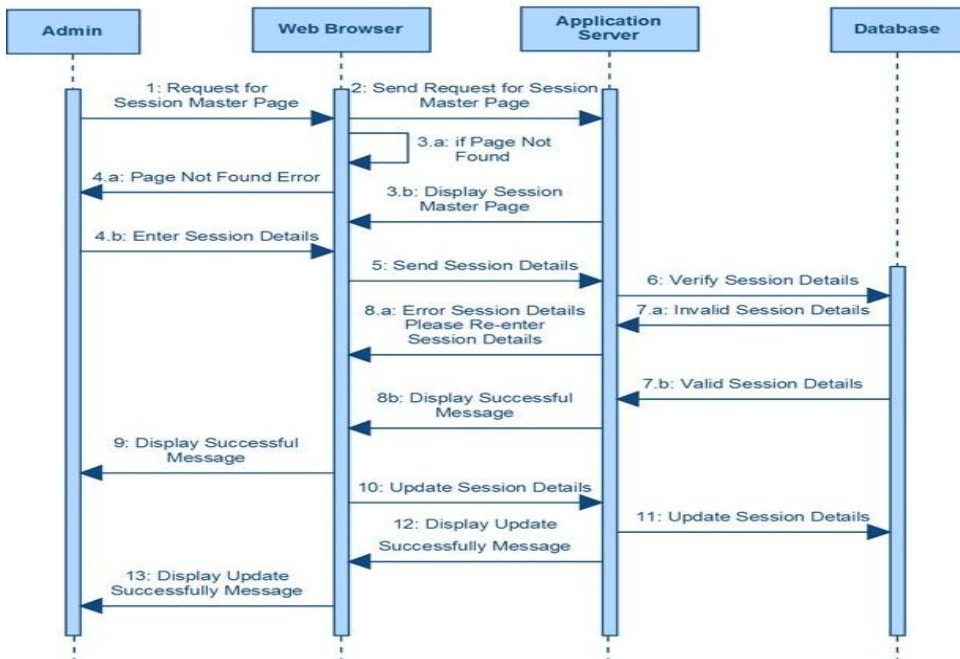## 5)   ADMISSION SEQUENCE DIAGRAM

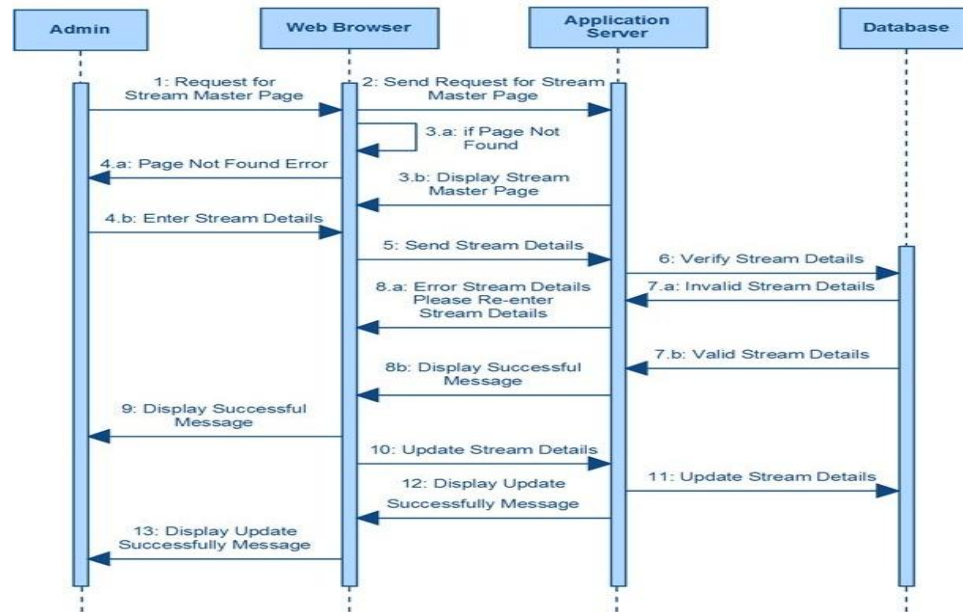## 6)   CLASS SEQUENCE DIAGRAM

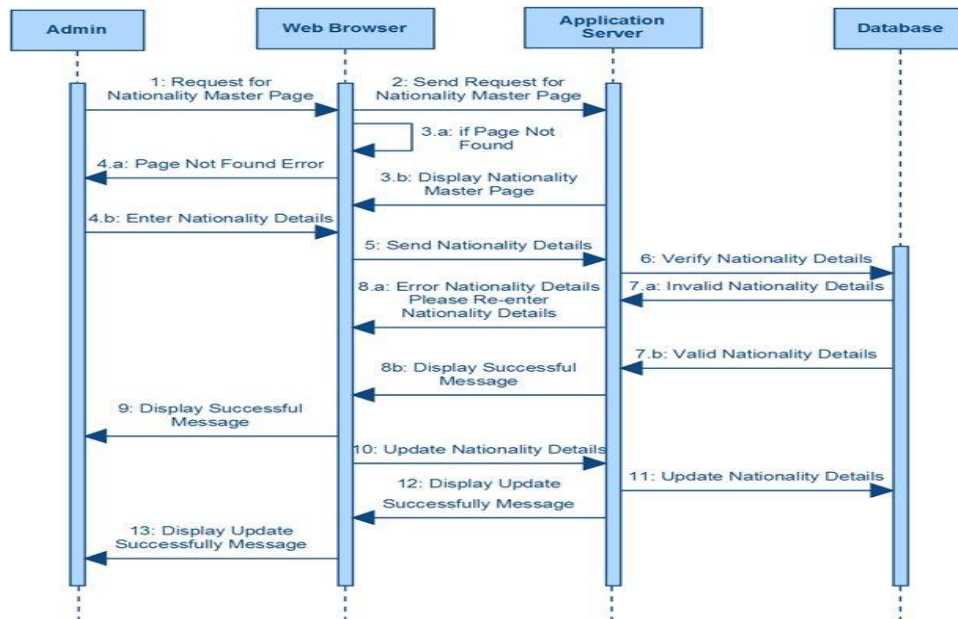## 7)   SECTION SEQUENCE DIAGRAM

8)   SESSION SEQUENCE DIAGRAM

9) STREAM SEQUENCE DIAGRAM

10) NATIONALITY SEQUENCE DIAGRAM

11) NOTICE AND EVENT SEQUENCE DIAGRAM
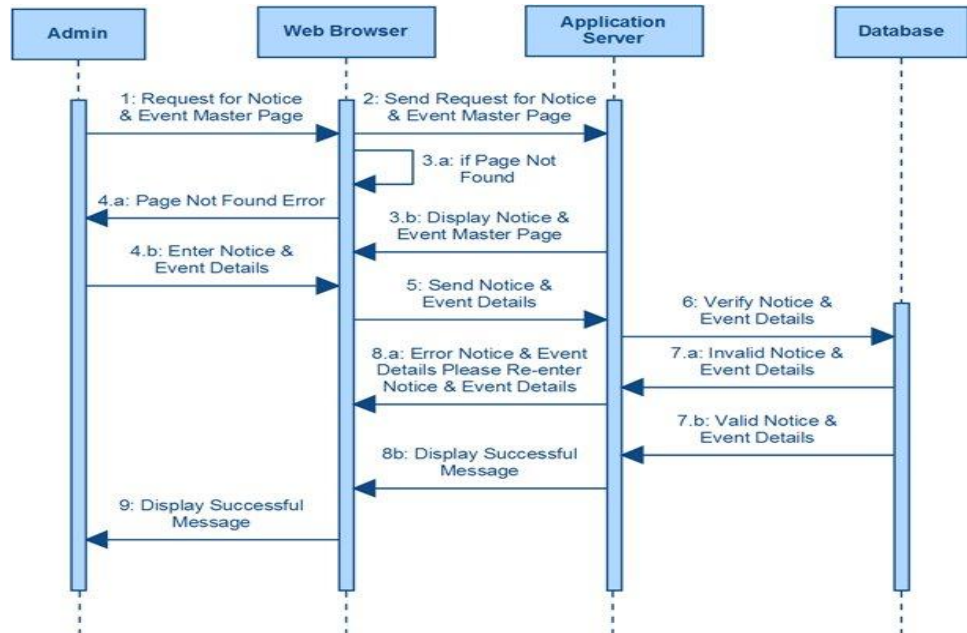
12) ADMISSION SCHEDULE
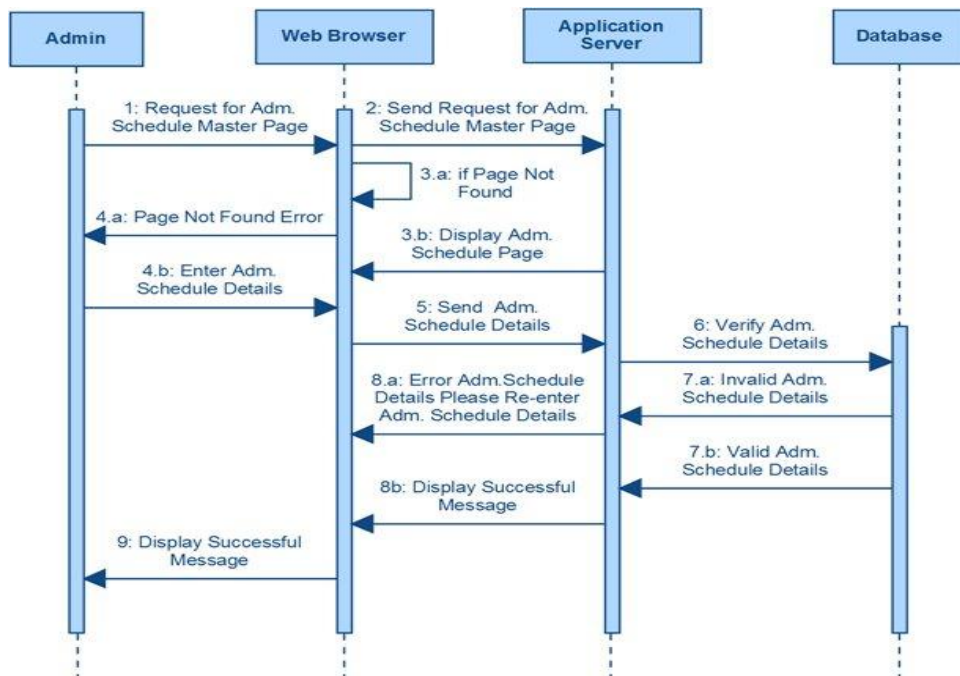
13)   ADMISSION CANCELLATION
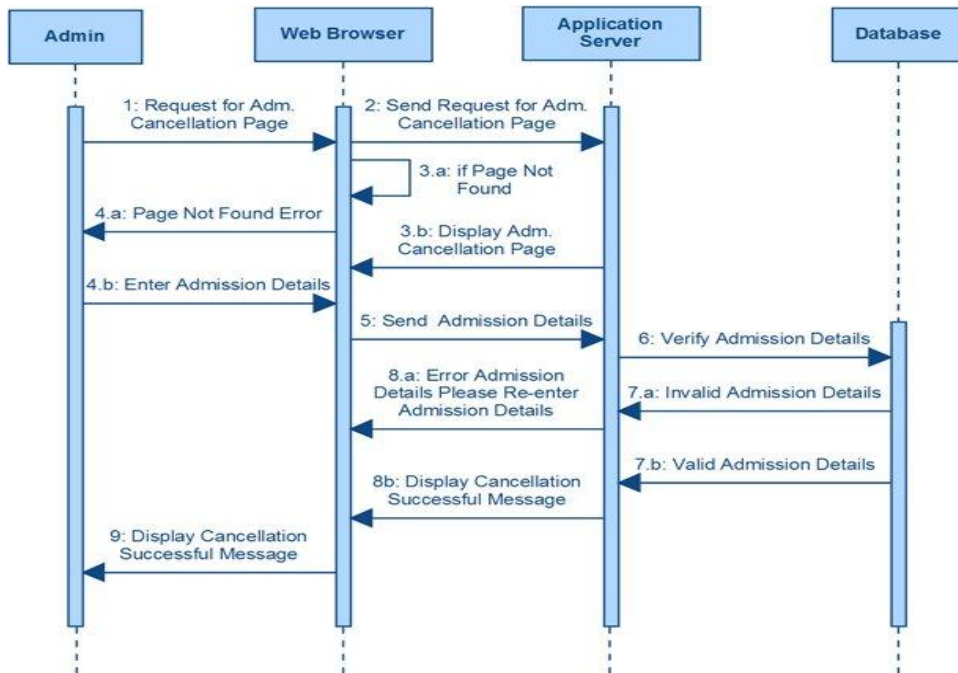
14)   CLASS TEACHER ALLOTMENT
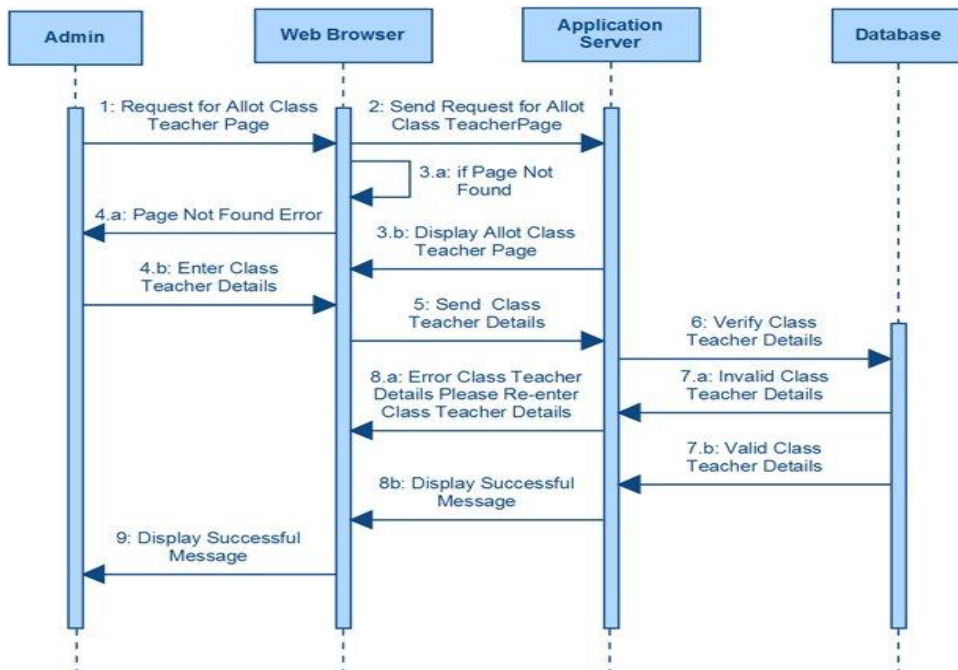
15) DOCUMENT UPLOAD
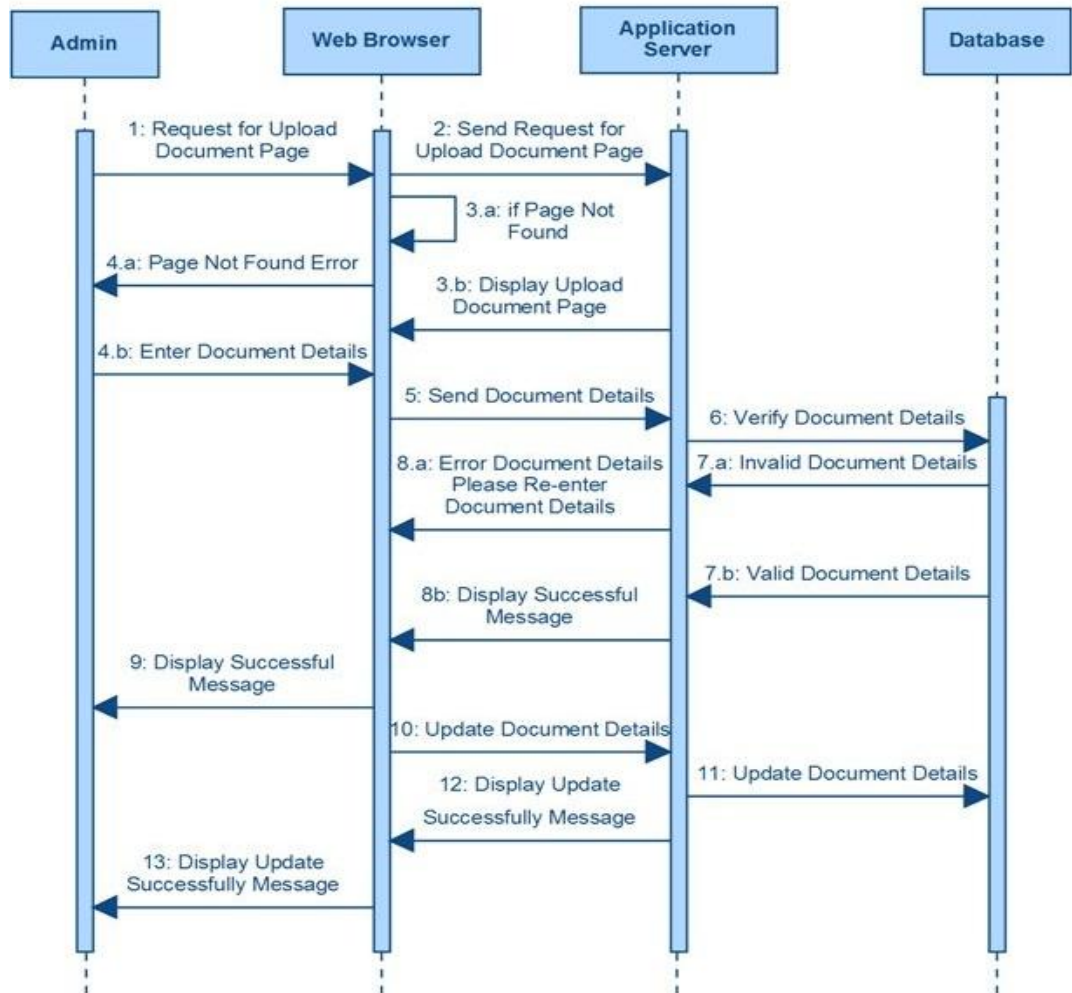
3.6 ENTITY RELATIONSHIP DIAGRAM

Maintain —M— Admission Schedule —1— **Based on**

User —1— **Performs** —M— Enquiry

User —1— **Takes** —1— Admission —M—

IS A

Parent

Student —M—

Admission — **IS A**

Personal Details

Parent Details

Other Details

Address Details   Health Details

Maintains —1—

Head —1—

Teacher —M— —M— **Alloted to** —M— Class

Maintains —M— Stream Master —1— **Related to**

Section Master —1—

Session Master —1—

Maintains

Nationality —M—

Notice & Event —M—

Upload Document —M—

Maintains —M— User Registration

3.7 MODULE HIERARCHY DIAGRAM

3.8 COMPONENT DIAGRAM

HTTP

Web Browser

Apache Tomcat

JSP File

Java Servlet

JDBC

MYSQL

3.9 DEPLOYMENT DIAGRAM

Web Browser

Apache 7.0

School Admission System

JDBC

DataBase Server

MYSQL Database 5.0
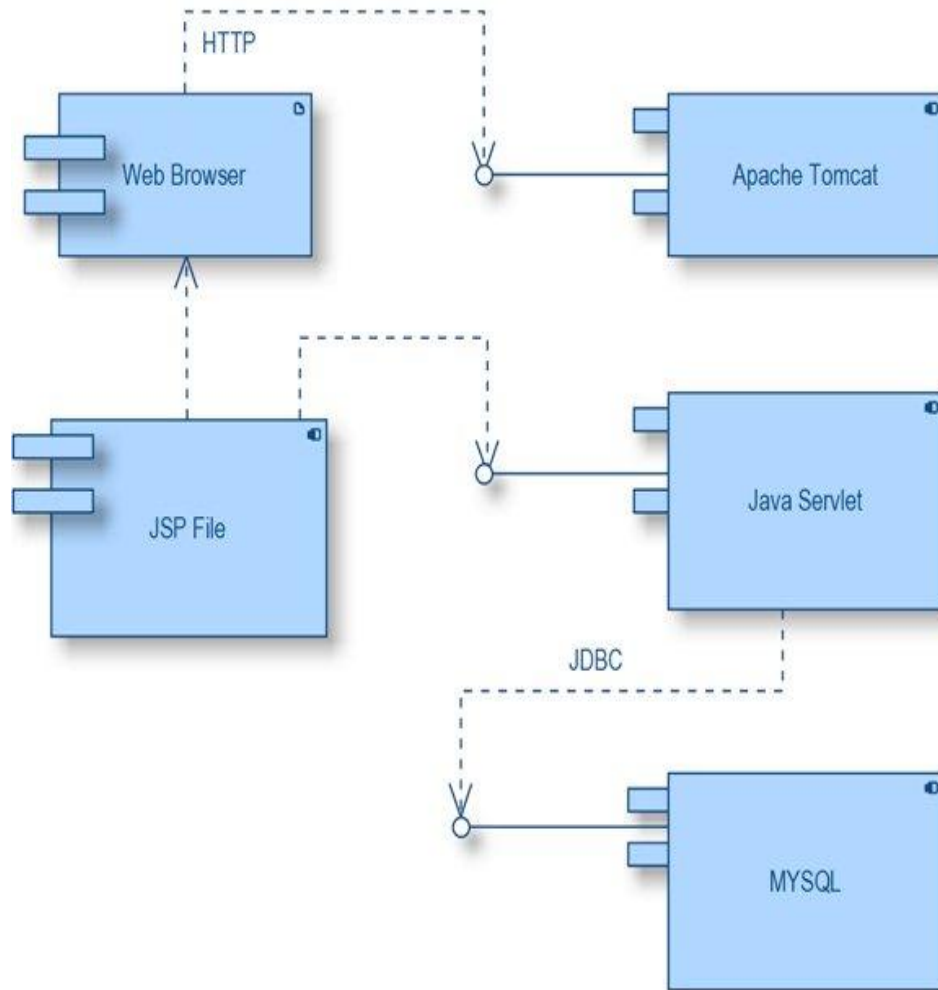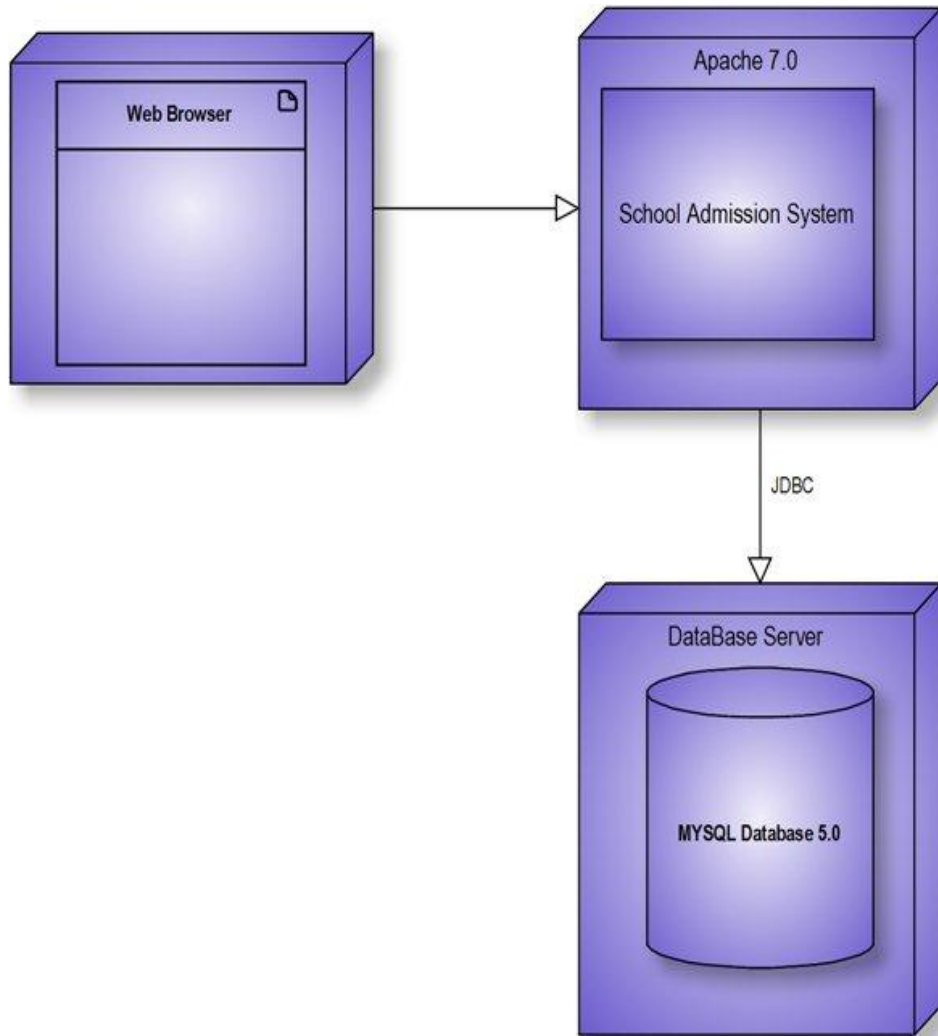
3.10 <u>MODULE SPECIFICATIONS</u>

The module hierarchy diagram depicts the different modules present in the project and flow within each module. In Admission System, there are following flows:-

- Admission

- Master Maintenance

- Allotment

- Cancellation

Admission

In Admission module, User can perform Enquiry, Registration and Admission process. Firstly user has to enquiry for a particular class. After Enquiry process user is eligible for Registration process. User can perform Registration process with the help of email id that the user had filled during the enquiry process. After the Registration process, a unique registration no is provided to the user by the admin.

After the Registration process user is eligible for Admission process. User can perform Admission process with the help the registration no. At the end of Admission process a unique admission no is provided to user.

Master Maintenance

In Master maintenance module, admin performs various maintenance of master like Class, Section, Session, Stream, Nationality, Notice and Event, Schedule. In this module admin can add new masters or update old masters.

Allotment

In this module, admin allots section and roll no. to the students. And admin also allot class teacher to the particular class. Roll no. allotment process can be dependent on name, date of birth or admission date.

Cancellation

In this module, admin cancel the student admission. Admission cancellation process is done with the help of admission no.

3.11 WEB SITE MAP DIAGRAM

```
                        ┌──────────┐
                        │   Home   │
                        │   1.0    │
                        └──────────┘
                  ┌──────────┴──────────┐
            ┌──────────┐           ┌──────────┐
            │   User   │           │  Login   │
            │   1.1    │           │   1.2    │
            └──────────┘           └──────────┘
                 │                      │
               ( A )                  ( B )
```

```
                      ( A )
                        │
                  ┌──────────┐
                  │   User   │
                  │   1.1    │
                  └──────────┘
          ┌───────────┼───────────┐
    ┌──────────┐  ┌────────────┐  ┌────────────┐
    │ Enquiry  │  │Registration│  │ Admission  │
    │  1.1.1   │  │   1.1.2    │  │   1.1.3    │
    └──────────┘  └────────────┘  └────────────┘
```

```
        ( B )
          |
    ┌───────────┐
    │  Login    │
    │   1.2     │
    └───────────┘
          |
   ┌──────┴──────────────────┐
┌────────────┐        ┌────────────┐
│   Head     │        │   Admin    │
│   1.2.1    │        │   1.2.2    │
└────────────┘        └────────────┘
      |                     |
    ( C )                 ( D )
```

```
                        ( C )
                          |
                  ┌────────────┐
                  │   Head     │
                  │   1.2.1    │
                  └────────────┘
                          |
  ┌────────┬────────┬────────┼────────┬────────┬────────┐
```

| Maintain Schedule 1.2.1.1 | Maintain User Reg. 1.2.1.2 | Maintain Class 1.2.1.3 | Maintain Section 1.2.1.4 | Maintain Stream 1.2.1.5 | Maintain Nationality 1.2.1.6 | Maintain Notice & Event 1.2.1.7 |

```
                              ( D )
                               |
                        +--------------+
                        |    Admin     |
                        |    1.2.2     |
                        +--------------+
                               |
   +----------+----------+----------+----------+----------+
   |          |          |          |          |          |
+--------+ +----------+ +----------+ +----------+ +----------+ +------------+
| Edit   | |Admission | |Transfer  | |Upload    | |Update    | |Allot Class |
|Student | |Cancel    | |Certificate| |Document | |Document  | |Teacher     |
|1.2.2.1 | |1.2.2.2   | |1.2.2.3   | |1.2.2.4   | |1.2.2.5   | |1.2.2.6     |
+--------+ +----------+ +----------+ +----------+ +----------+ +------------+
```

3.12 User Interface Design

Home Page

Contact

Enquiry

Enquiry Details

Date	12/4/2013		
Student Name*		Father Name*	
Class*	Select		
Session	2013-2014	Stream*	Select
		City	
Address*		Country	Afghanistan
		State	
Pin Code			
Email*		Mobile Number*	
Comment			

Submit Reset

Schedule

Show Schedule For Admission

Session 2013-2014

Registration start date	Registration end date	Admission start date	Admission end date
03/15/2013	03/31/2013	04/01/2013	04/30/2013

Click here for registration

Click here for admission

Seat Availability

Seat Availablity

Note: Filled mark with (*) denotes mandatory field

Session   2013-2014
Class Name*   I

[Availability] [Reset]

Admin Login

Login Detail

Note: Filed mark With (*) Denotes Mandatory Field

User Name*

Password*

[Login] [Reset]

Nationality Master

Add Nationality

Note: Filed mark With (*) Denotes Mandatory Field

Nationality* [_____]

[submit]

Stream Master

Add Stream

Note: Filled mark With (*) denotes mandatory fields.

Session* [2013-2014 ▾]

Stream* [_____]

[Submit]

Section Master

Add Section Strength

Note: Filed mark With (*) Denotes Mandatory Field

Session* | 2013-2014 ▼

Class* | I ▼

Section | [ ]

Strength | [ ]

[submit]

Admission Cancellation

Admission Cancellation

Note: Filed mark With (*) Denotes Mandatory Field

Admission Number* | [ ]

[Cancel Admission]

Transfer Certificate

Transfer Certificate

Note: Filed mark With (*) Denotes Mandatory Field

Enter Student Admission Number * [   ]

[Search]

First Class In School *	IV
Date Of Admission In School *	12/07/2013
Date Of Application *	
Date Of Issue *	
Board Exam Result	
Board Exam Roll Number	
Enter Reason*	
Remark	
Subject Compulsory	
Total Number Of Working Days	
Total Number Of Present Days	
NCC/Boys Scott/Girl Guide	
Game Played/Extra Curricular Activites	
General Conduct	
Qualified For Promotion	
Failed Once/Twice In Same Class	
Subject Elective	

[Save]

3.13 TABLE SPECIFICATION

Admission Schedule				
Schedule_id	Varchar	15	Schedule Id	Primary Key
Schd_session	Varchar	10	Admission Session	Not Null
Reg_start_date	Date		Registration Start Date	Not Null
Reg_end_date	Date		Registration End Date	Not Null
Adm_start_date	Date		Admission Start Date	Not Null
Adm_end_date	Date		Admission End Date	Not Null

Enquiry				
Enquiry_no	Varchar	15	Enquiry Number	Primary Key
Student_name	Varchar	50	Student Name	Not Null
Father_name	Varchar	50	Father Name	Not Null
Enquiry_class	Varchar	20	Enquiry Class	Not Null
Address	Varchar	50	Address	Null
City	Varchar	25	City	Null
State	Varchar	25	State	Null

Country	Varchar	25	Country	Null
Pincode		6	Pincode	Null
Mobile_no	Number	10	Mobile Number	Null
Email	Varchar	50	Email	Not Null
Comment	Varchar	100	Comment	Null
Enquiry_date	Date		Enquiry Date	Null
Enquiry_session	Varchar	10	Enquiry Session	Null
Enquiry_stream	Varchar	20	Enquiry Stream	Null

User				
Enquiry_no	Varchar	15	Enquiry Number	Foreign Key Enquiry
Date_of_birth	Date		Date of Birth	Not Null
Gender	Varchar	10	Gender	Not Null
Nationality	Varchar	25	Nationality	Null
First_born	Varchar	10	First born	Null
Parent_staff	Varchar	10	Parent is staff of this school	Null
Stay_guard	Varchar	10	Stay with guardian	Null
Single_parent	Varchar	10	Single Parent	Null
Distance	Number	10	Distance	Null
Illness	Varchar	100	Illness	Null
Dob_cert_no	Varchar	25	Date of Birth Certificate number	Null
Issued_by	Varchar	50	Issued by	Not Null
Address	Varchar	100	Address	Not Null
City	Varchar	25	City	Null
Pincode	Number	6	Pincode	Null
State	Varchar	25	State	Null
Country	Varchar	25	Country	Null
Address_permanent	Varchar	100	Permanent Address	Not Null
City_permanent	Varchar	25	Permanent City	Null

Pincode_permanent	Number	6	Permanent Pincode	Null
State_permanent	Varchar	25	Permanent State	Null
Country_permanent	Varchar	25	Permanent Country	Null
Education	Varchar	25	Previous Education	Null
Year_of_passing	Number	4	Year of Passing	Null
Certificate_no	Varchar	25	Certificate Number	Null
Marks	Varchar	25	Marks in Percentage or Grade	Null
Name_of_school	Varchar	50	Previous School Name	Null
Reason_for_leaving	Varchar	100	Reason for Leaving	Null
Is_transport_req	Varchar	10	Is Transport Required	Null
Not_transport_req	Varchar	10	Transport Not Required	Null
Special_need	Varchar	10	Any Special Need	Null
Yes_special_need	Varchar	100	Yes Special Need	Null
Adm_reserve	Varchar	10	Admission Reserve Under	Null

			Weaker Society	
Family_income	Varchar	25	Family Income	Not Null
First_child_study_school	Varchar	10	First Child Study In This School	Null
Admission_number	Varchar	15	Admission Number	Null
Board_adm_number	Varchar	15	Board Admission Number	Null
Category	Varchar	15	Category	Null
Religion	Varchar	15	Religion	Null
Blood_group	Varchar	8	Blood Group	Null
Adm_date	Date		Admission Date	Null
Type	Varchar	15	Type	Null
Stream	Varchar	15	Stream	Null
Emerg_no	Number	10	Emergency Number	Null
Email	Varchar	25	Email	Not Null
Mob_no	Number	10	Mobile Number	Null
Smart_card_no	Varchar	15	Smart Card Number	Null
Mother_tongue	Varchar	15	Mother Tongue	Null
Third_language	Varchar	15	Third Language	Null
Flag_reg	Varchar	5	Flag	Null

			Registration	
Flag_adm	Varchar	5	Flag Admission	Null
Form_serial_no	Varchar	15	Form Serial Number	Primary Key
Reg_date	Date		Registration Date	Not Null
User_session	Varchar	10	Registration Session	Not Null

ParentInfo				
Enquiry_no	Varchar	15	Enquiry Number	Foreign Key Enquiry
Parent_no	Varchar	15	Parent Unique Number or ID	Not Null
Occupation	Varchar	50	Occupation	Null
Education	Varchar	50	Education	Null
Organization	Varchar	50	Organization	Null
Designation	Varchar	50	Designation	Null
Income	Number	10	Income	Null
Office_address	Varchar	100	Office Address	Null

Address	Varchar	100	Address	Not Null
City	Varchar	25	City	Null
State	Varchar	25	State	Null
Country	Varchar	25	Country	Null
Pincode	Number	6	Pincode	Null
Contact_no_home	Number	10	Contact Number Home	Null
Mob_no	Number	10	Mobile Number	Not Null
Contact_no_office	Number	10	Contact Number Office	Null
Email	Varchar	50	Email	Null
Father_alumni	Varchar	5	Is Father Alumni	Null
Father_alumni_from	Number	4	Father Alumni From	Null
Father_alumni_to	Number	4	Father Alumni To	Null
Father_adm_no	Varchar	15	Father Admission Number	Null
Mother_name	Varchar	25	Mother Name	Not Null
Mother_occupation	Varchar	50	Mother Occupation	Null
Mother_education	Varchar	50	Mother Education	Null
Mother_organisation	Varchar	50	Mother Organisation	Null

Mother_designation	Varchar	50	Mother Designation	Null
Mother_income	Number	10	Mother Income	Null
Mother_office_address	Varchar	50	Mother Office Address	Null
Mother_address	Varchar	50	Mother Address	Not Null
Mother_city	Varchar	25	Mother City	Null
Mother_state	Varchar	25	Mother State	Null
Mother_country	Varchar	25	Mother Country	Null
Mother_pincode	Number	6	Mother Pincode	Null
Mother_contact_no_home	Number	10	Mother Contact Number Home	Null
Mother_mob_no	Number	10	Mother Mobile Number	Null
Mother_contact_no_office	Number	10	Mother Contact Number Office	Null
Mother_email	Varchar	50	Mother Email	Null
Mother_alumni	Varchar	5	Is Mother Alumni	Null
Mother_alumni_from	Number	4	Mother Alumni From	Null

| Mother_alumni_to | Number | 4 | Mother Alumni To | Null |
| Mother_adm_no | Varchar | 15 | Mother Admission Number | Null |

HealthInfo				
Admission_no	Varchar	15	Admission Number	Primary Key
Form_serial_no	Varchar	15	Form Serial Number	Foreign Key Enquiry
Dist_vision_le	Varchar	15	Distance Vision Left Eye	Null
Dist_vision_re	Varchar	15	Distance Vision Right Eye	Null
Near_vision_le	Varchar	15	Near Vision Left Eye	Null
Near_vision_re	Varchar	15	Near Vision Right Eye	Null
Teeth	Varchar	15	Number of Teeth	Null
Oral_hygine	Varchar	15	Oral Hygine	Null
Dental_care	Varchar	25	Dental Care	Null
Missing_teeth	Varchar	15	Number of Missing	Null

			Teeth	
Dental_advice	Varchar	50	Dental Advice	Null
Height	Varchar	15	Height	Null
Weight	Varchar	15	Weight	Null
Composition	Varchar	20	Composition	Null
Deformation	Varchar	20	Deformation	Null
Suggestion	Varchar	50	Suggestion	Null
Skin_condition	Varchar	30	Skin Condition	Null
Ears	Varchar	15	Number of Ears	Null
Lungs	Varchar	15	Number of Lungs	Null
Nose	Varchar	15	Number of Nose	Null
Throat	Varchar	15	Throat	Null
Heart	Varchar	15	Number of Heart	Null
Abdomen	Varchar	15	Abdomen	Null
Allergies	Varchar	20	Allergies	Null
Doctor_name	Varchar	25	Doctor Name	Null
Doctor_address	Varchar	50	Doctor Address	Null
Phone_no	Number	10	Phone Number	Null
Remark	Varchar	30	Remark	Null
Admission_cancel	Varchar	5	Admission Cancel Flag	Null
Flag_tc	Varchar	5	Flag Transfer	Null

			Certificate	

ClassInfo				
Class_id	Number	10	Class Id	Primary Key
Class_name	Varchar	25	Class Name	Not Null
Flag_class	Varchar	5	Flag Class	Null

SectionStrength				
Section_strength_id	Number	10	Section Strength Id	Primary Key
Class_id	Number	10	Class Id	Foreign Key ClassInfo
Section	Varchar	15	Section	Not Null
Strength	Number	4	Strength	Not Null
Section_session	Varchar	10	Section Session	Not Null
Flag_section	Varchar	5	Flag Section	Null

StudentDetails				
Student_id	Number	10	Student Id	Primary Key
Adm_no	Varchar	15	Admission Number	Foreign Key HealthInfo
Class_name	Varchar	25	Class Name	Not Null
Section	Varchar	15	Section	Not Null
Roll_no	Number	10	Roll Number	Not Null
Roll_session	Varchar	10	Roll Session	Not Null

StreamInfo				
Stream_id	Number	10	Stream Id	Primary Key
Stream_name	Varchar	20	Stream Name	Not Null
Flag_stream	Varchar	5	Flag Stream	Null
Stream_session	Varchar	10	Stream Session	Not Null

AllotClassTeacher				
Class_teacher_id	Number	10	Class Teacher Id	Primary Key
Class_name	Varchar	15	Class Name	Class Name
Section	Varchar	15	Section	Section
Teacher_name	Varchar	25	Teacher Name	Teacher Name
Session	Varchar	10	Session	Session

SessionInfo				
Session_id	Number	10	Session Id	Primary Key
Session_name	Varchar	20	Session Name	Not Null
Flag_session	Varchar	5	Flag Session	Null

NationalityInfo				
Nationality_id	Number	10	Nationality Id	Primary Key
Nationality_name	Varchar	20	Nationality Name	Not Null
Flag_nationality	Varchar	5	Flag Natn.	Null

NoticeAndEventInfo

NoticeEvent_id	Number	10	Notice And Event Id	Primary Key
Notice	Varchar	20	Notice	Not Null
Event	Varchar	20	Event	Not Null

DocumentInfo

Document_id	Number	10	Document Id	Primary Key
Document_name	Varchar	20	Document Name	Not Null
Adm_no	Varchar	15	Admission Number	Foreign Key HealthInfo

HeadInfo

Head_id	Number	10	Head Id	Primary Key
Head_name	Varchar	20	Head Name	Not Null
Head_login_id	Varchar	20	Head Login Id	Not Null
Head_login_pwd	Varchar	20	Head Login pwd	Not Null

UserRegistration				
User_id	Number	10	Head Id	Primary Key
User_name	Varchar	20	Head Name	Not Null
User_login_id	Varchar	20	Head Login Id	Not Null
User_login_pwd	Varchar	20	Head Login Password	Not Null
User_role	Varchar	20	User Role	Not Null

3.14 <u>Test Procedures and Implementation</u>

What is software testing?

Software testing is a critical element of software quality assurance and represents the ultimate review of specification, design and code generation. It is a process of executing a program with a primary objective of finding errors. Testing gives the guarantee that the software does not fail and runs according to its specifications and in the way the end user expects.

Testing procedure

Testing will be performed by running the program using the test data. Testing is vital to the success of the system. It will also test whether the system identify the problem correctly.

The following software testing techniques were used in order to uncover errors in the system:

- Unit testing
- Integration testing

- White box testing

- Black box testing

- Acceptance tests (Alpha and Beta testing)

1: Unit Testing

Unit testing is normally considered as an adjunct to the coding step. It is the test for the small units of code, e.g. programs, modules or procedures, in order to ensure that they perform their intended functions. Unit testing is also done to test the data flow across a module interface.

The following errors are uncovered during unit testing:

- Comparison of different data types.

- Incorrect logical operators or precedence.

- Incorrect comparison of variables.

- Improper or nonexistent loop termination.

- Improperly modified loop variable.

2: Integration Testing

Integration testing is a systematic technique for constructing the program structure while at the same time conducting tests to uncover errors associated with interfacing. During this activity, unit tested components are taken and a program structure is built as per the design. Then incremental integration is performed on the system. This means that programs are constructed and tested in small increments instead of testing the entire program as a whole. This is done because correction of errors becomes difficult in case of whole program testing as many errors were detected and it is not easy to correct them at one go. Thus, through incremental integration testing, any error uncovered could be easily noted and corrected and interfaces are tested completely.

3: White Box Testing

White box testing is also called as glass box testing. It is related with the structure (internal logic) of the program. It helps in uncovering many errors that black box testing cannot. During white box testing

activity, every statement of programs is executed at least once. All independent paths are also executed.

4: Black Box Testing

Black box testing, also known as behavioral testing focuses on the functional requirements of the software. It is related to input and output only and not related with the internal structure of the program. This testing is also done so as to find errors such as:

- Initialization and termination errors
- Behavior and performance errors
- Incorrect or missing functions
- Interface errors
- Errors in data structures and external database access

5: Acceptance Testing (Alpha & Beta Testing)

An acceptance test is a test carried out by the customer or end user rather than the developer in order to enable the customer to validate all requirements. Alpha testing and beta testing are two types of acceptance tests that are conducted.

6: Alpha Testing

Alpha test is conducted in a controlled environment. As a matter of fact, the end user conducts alpha test at the developer's site. During the course of the system development, the end user is operating the software in front of the developer and the errors and other problems are recorded. Rectification is made accordingly.

7: Beta Testing

Beta testing is also conducted by the end user, but in the absence of the developer. Here, the end user himself records all the problems that he encounters during testing the system and then reports them to the developer at regular intervals. As a result of problems reported during beta testing, modifications are made to overcome the problem.

Test Cases

Test Attribute	Test case identifier	Test case location	Test feature	Test input	Test output	Test log
Admin Login	1	Admin login page	Entering Admin Login Id	Field is empty	Please enter login id	Fail
				Enter wrong value	Please enter correct value	Fail
				Enter correct value	No error	Pass

Test Attribute	Test case identifier	Test case location	Test feature	Test input	Test output	Test log
Admin Login	2	Admin login page	Entering Admin Login Password	Field is empty	Please enter login password	Fail
				Enter wrong value	Please enter correct value	Fail
				Enter correct value	No error	Pass

Test Attribute	Test case identifier	Test case location	Test feature	Test input	Test output	Test log
Email	3	Registration page	Entering reg. email id	Field is empty	Please enter email id	Fail
				Enter wrong email id	Please enter correct email id	Fail
				Enter correct email id	No error	Pass

Test Attribute	Test case identifier	Test case location	Test feature	Test input	Test output	Test log
Pin code	4	Enquiry page	Entering Pin code	Field is empty	Please enter Pincode	Fail
				Enter value other than number	Please enter proper pin code	Fail
				Enter numeric value with 6 digits	No error	Pass

Test Attribute	Test case identifier	Test case location	Test feature	Test input	Test output	Test log
Registration start date	5	Schedule page	Entering Reg. start date	Field is empty	Please enter start date	Fail
				Enter value other than date	Please enter proper date	Fail
				Enter value from calender	No error	Pass

Test Attribute	Test case identifier	Test case location	Test feature	Test input	Test output	Test log
Registration end date	6	Schedule page	Entering Reg. end date	Field is empty	Please enter end date	Fail
				Enter value other than date	Please enter proper date	Fail
				Enter value from calender	No error	Pass

Test Attribute	Test case identifier	Test case location	Test feature	Test input	Test output	Test log
Nationality	7	Nationality page	Entering Nationality	Field is empty	Please enter nationalit	Fail
				Enter value other than character	Please enter proper nationality	Fail
				Enter character value	No error	Pass

Test Attribute	Test case identifier	Test case location	Test feature	Test input	Test output	Test log
Stream	8	Stream page	Entering Stream	Field is empty	Please enter stream	Fail
				Enter value other than character	Please enter proper stream	Fail
				Enter character value	No error	Pass

Test Attribute	Test case identifier	Test case location	Test feature	Test input	Test output	Test log
Admission Id	9	Admission cancellation Page	Entering adm. Id	Field is empty	Please enter adm. Id	Fail
				Enter wrong adm. id	Please enter correct adm. id	Fail
				Enter correct adm. id	No error	Pass

Test Attribute	Test case identifier	Test case location	Test feature	Test input	Test output	Test log
Mobile Number	10	Enquiry page	Entering mobile number	Field is empty	Please enter mobile number	Fail
				Enter value other than number	Please enter proper mobile number	Fail
				Enter numeric value	No error	Pass

Chapter 4

USER MANUAL

4.1 <u>User Manual</u>

This user manual is for the user's ease and to guide and help to use the Admission System. User will find the system very user friendly. The user doesn't need to have depth knowledge of programming and computing only basic knowledge of computer and windows required.

You can use various menus for doing particular work. Menus are present at the top, left and bottom side of the pages.

At the top of the page menus like Home, Admission, About us and Contact. In the Admission Menu user can perform enquiry. And also user can view Admission Schedule and Seat Availability. User can perform Registration and Admission Process during the schedule specified by the Admin. User can also view availability of seats. If seats are available then students are eligible for Registration and Admission process.

At the bottom of page, there are two types of login is available. First login tab is available for Head and second login tab is available for Admin.

If Head logins into the system, he can perform various maintenance of Master like Class, Section, Stream, Session, Nationality, Event and Notice, Admission Schedule etc.

If Admin logins into the system, he can perform various tasks like update student information, upload and update student documents, cancel admission of students, issue Transfer Certificate etc.

4.2 <u>Operations Manual / Menu Explanation</u>

Home and Login:-

Menu displays home page of the website. There will also have the login screen on the right hand side where Admin and Head of school can login with their username and password. Visitors are not allowed to log in they only can have look at the home page. And they can perform enquiry process. After the enquiry process, they are eligible for registration and admission process.

Both username and password are mandatory. This menu and page displayed only two times after log out and before log in.

Logout:-

After every successful login the Head and Admin can see the link at top-right hand side naming Log Out. They can logout from the system at any time. Note that no successful logout message is displayed to them

Admission:-

At the top of the system menu named Admission is there. With the help of this menu user can perform Enquiry Process. They can also view admission schedule and seat availability. If schedule date lies between current dates then after they are eligible for Registration and Admission process.

Head:-

If Head is logged in, he will be able to perform following maintenance tasks:

- **Maintain Class**

  At the left hand side of Head page, there is a menu to add Class. With the help of this option Head can add and update Class. If all Classes are defined then after user is eligible for taking admission for that class.

- **Maintain Section**

  At the left hand side of Head page, there is a menu to add Section. With the help of this option Head can add and update Section.

- **Maintain Session**

  At the left hand side of Head page, there is a menu to add Session. With the help of this option Head can add and update Session. If all Sessions are defined then after user is eligible for taking admission for that session.

- **Maintain Stream**

  At the left hand side of Head page, there is a menu to add Stream. With the help of this option Head can add and update Stream. If all Streams are defined then after user is eligible for taking admission for that stream.

- **Maintain Nationality**

  At the left hand side of Head page, there is a menu to add Nationality. With the help of this option Head can add and update Nationality.

- **Maintain Notice and Event**

  At the left hand side of Head page, there is a menu to add Notice and Event. With the help of this option Head can add and update Notice and Event.

- **Maintain Schedule**

  At the left hand side of Head page, there is a menu to add Schedule. With the help of this option Head can add and update Schedule.

- **Maintain User Registration**

  At the left hand side of Head page, there is a menu User Registration. With the help of this option Head can assign user name and password to the Employee.

Admin:-

If Admin is logged in, he will be able to perform following maintenance tasks:

- **Edit Student's Information**

  At the left hand side of Admin page, there is a menu Edit Student. With the help of this option Admin can update student's information.

- **Admission Cancellation**

  At the left hand side of Admin page, there is a menu Admission Cancel. With the help of this option Admin can cancel the admission of student.

- **Transfer Certificate**

  At the left hand side of Admin page, there is a menu Transfer Certificate. With the help of this option Admin can issue the transfer certificate of student.

- **Upload Document**

  At the left hand side of Admin page, there is a menu Upload Document. With the help of this option Admin can upload the document of student.

- **Update Document**

  At the left hand side of Admin page, there is a menu Update Document. With the help of this option Admin can update the document of student.

Report:-

This option is used to view various types of reports. Reports can also be printed by the button at the below of report.

4.3 <u>Program Specifications</u>

Home and Login:-

This Menu with home page will be displayed when user enters specified URL (http://localhost:8080/SchoolErp/). There will also have the login screen on the right hand side where Admin and Head of school can login with their username and password. Visitors are not allowed to log in they only can have look at the home page. And they can perform enquiry process. After the enquiry process, they are eligible for registration and admission process.

Logout:-

After every successful login the Head and Admin can see the link at top-right hand side naming Log Out. They can logout from the system at any time. Note that no successful logout message is displayed to them.

Admission:-

At the top of the system menu named Admission is there. With the help of this menu user can perform Enquiry Process. They can also

view admission schedule and seat availability. If schedule date lies between current dates then after they are eligible for Registration and Admission process.

Head:-

If Head is logged in, he will be able to perform following maintenance tasks:

- **Maintain Class**

  At the left hand side of Head page, there is a menu to add Class. With the help of this option Head can add and update Class

- **Maintain Section**

  At the left hand side of Head page, there is a menu to add Section. With the help of this option Head can add and update Section.

- **Maintain Session**

  At the left hand side of Head page, there is a menu to add Session. With the help of this option Head can add and update

Session. If all Sessions are defined then after user is eligible for taking admission for that session.

- **Maintain Stream**

  At the left hand side of Head page, there is a menu to add Stream. With the help of this option Head can add and update Stream.

- **Maintain Nationality**

  At the left hand side of Head page, there is a menu to add Nationality. With the help of this option Head can add and update Nationality.

- **Maintain Notice and Event**

  At the left hand side of Head page, there is a menu to add Notice and Event. With the help of this option Head can add and update Notice and Event.

- **Maintain Schedule**

  At the left hand side of Head page, there is a menu to add Schedule. With the help of this option Head can add and update Schedule.

- **Maintain User Registration**

  At the left hand side of Head page, there is a menu User Registration. With the help of this option Head can assign user name and password to the Employee.

Admin:-

If Admin is logged in, he will be able to perform following maintenance tasks:

- **Edit Student's Information**

  At the left hand side of Admin page, there is a menu Edit Student. With the help of this option Admin can update student's information.

- **Admission Cancellation**

  At the left hand side of Admin page, there is a menu Admission Cancel. With the help of this option Admin can cancel the admission of student.

- **Transfer Certificate**

  At the left hand side of Admin page, there is a menu Transfer Certificate. With the help of this option Admin can issue the transfer certificate of student.

- **Upload Document**

  At the left hand side of Admin page, there is a menu Upload Document. With the help of this option Admin can upload the document of student.

- **Update Document**

  At the left hand side of Admin page, there is a menu Update Document. With the help of this option Admin can update the document of student.

Report:-

This option is used to view various types of reports. Reports can also be printed by the button at the below of report.

Drawbacks and Limitations

The current system suffers from few drawbacks and limitations which are listed below:

- If accidently, the Admin forgets his userid or/ and password, in that case there is no any 'UserID & Password Recovery Procedure' that would help him recover his ID and passwords.

- User can perform Registration process with the help of email id. If user forgot email id then he/she is not able to take admission.

- User doesn't take admission directly. Before Admission process he/she will have to perform enquiry and registration process.

- The current system lack of SSL security encryption technique.

Proposed Enhancements

Password Recovery

If password recovery module is introduced Admin can get his user name and password.

Send Email/SMS

If Send Email/SMS module is introduced Admin can send acknowledgement to the user with the help of Email or SMS.

Enquiry

In this system user can perform N number of enquiry. The same user can perform Enquiry process again with different Email Id. With some enhancement in the system Admin can restrict the user to perform enquiry process again

Conclusions

I feel very glad to conclude this report. This is my first experience to perform such professional work. Objective of this work was to satisfy user's requirement, successful implementation of the system, designing a user friendly and easy to operate system. I have got the opportunity to learn about name of project system, conceptual, and practical knowledge of software engineering, system, analysis and real time experiences of project implementation using JSP (Java Server Pages) and MYSQL.

 I am very thankful to University of Pune to include this project as a part of my M.C.A. curriculum.

At last I am also thankful to the staff of my college, **Mrs. Manasi Bhate**, **Dr. Santosh Deshpande** for the valuable guidance during the project work. I am also thankful to my dear and neat friends, who directly or indirectly helped me time to time in completion of this project successfully.

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ANNEXURES

ANNEXURE 1: - <u>USER INTERFACE SCREENS</u>

Home Page

Enquriy

Enquiry Details

Date	22/3/2013		
Student Name*	Akash	Father Name*	Shyam Singh
Class*	III		
Session	2013-2014	Stream*	English
Address*	Kothrud, Paud Road, Pune	City	Pune
		Country	India
		State	Maharashtra
Pin Code	411038		
Email*	akashSingh@gmail.com	Mobile Number*	91 9507052430
Comment	nothing		

Submit   Reset

Availability of Seats

Seat Availablity

Note: Filled mark with (*) denotes mandatory field

Session   2013-2014
Class Name*   I   [▼]

[Availability]   [Reset]

Schedule for Admission

Show Schedule For Admission

Session 2013-2014

Registration start date	Registration end date	Admission start date	Admission end date
03/15/2013	03/31/2013	04/01/2013	04/30/2013

Click here for registration

Click here for admission

Registration Personal

Personal Details

Date	22/3/2013
Student Name*	Akash
Class*	III
Gender*	◉ Male ○ Female
Whether First Born?	◉ Yes ○ No
Is Parent Staff Of School?	○ Yes ◉ No
Stay With Guardian?	○ Yes ◉ No
Single Parent?	◉ Yes ○ No
Nationality*	Indian
Distance From School(In KMs)	25
History Of Major illness	Nothing
Enter DOB Certificate No*	C006
Issued By*	Amit

Next   Reset

Admission Personal

Personal Details

Date	22/3/2013	Enter DOB Certificate No*	223dfsdf
Student Name*	Rashmi	Issued By*	reshu
Class*	IV	Board Admission Number	
Date Of Birth*	03/05/2013	Category	Select
Gender*	Male ○ Female ●	Religion	Select
Nationality*	Indian	Student Blood Group	Select
Whether First Born?	○ Yes ● No	Admission Date	
Is Parent Staff Of School?	○ Yes ● No	Type	
Stay With Guardian?	○ Yes ● No	Stream	Select
Single Parent?	○ Yes ● No	Emergency Call	
Distance From School(In KMs)	420	Email	
History Of Major illness	sddfdf	Mobile Number	
		Smart Card Number	
		Mother Language	
		3rd Language	

Next   reset

Admission Address

Address Details

Corresponding Address

Address*	pune
City*	uh
Country*	Austria
State*	Burgenland
Pincode*	555555

Permanent Address

Address	pune
City	pune
Country	India
State	Maharashtra
Pincode	333333

[Next] [Reset]

Login Head

Login Detail

Note: Filled mark with (*) denotes mandatory field

User Name*   amit

Password*   ••••••••

[Login]   [Reset]
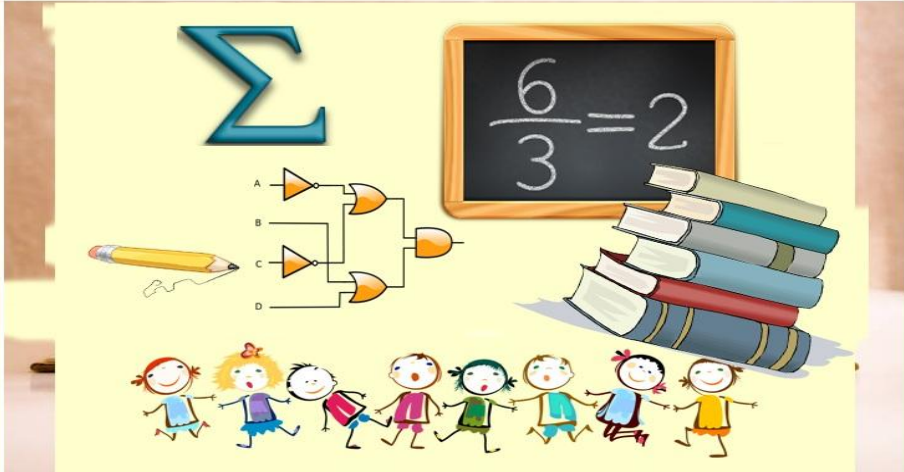
Head Authority

- ▣ Add Schedule
- ▣ Add User role
- ▣ User Registration
- ▣ Add Class
- ▣ Add Section Strength
- ▣ Add Stream
- ▣ Add Nationality
- ▣ Add Notice and Event
- ▣ Report

User Registration Master

User Registration

Add Schedule

User Registration

Add Class

Add Section Strength

Add Stream

Add Nationality

Add Notice and Event

Report

Note: Filled mark with (*) denotes mandatory field

Employee Type*   Teaching ▼

Employee Name*   Mr.Anand U ▼

Subject Taught/Department*   maths ▼

Head   ◯ yes ◯ No

HR	Teacher
Accountant	
Principal	
Supervisor	
Admin	
Librarian	
Peon	

User Role*   >>   <<

UserID*   AnandU

Password*   ••••••••

Confirm Password*   ••••••••

Submit   Reset

Class Master

Add Class

Note: Filled mark with (*) denotes mandatory field

Class* VIII

Submit

All Records

	Class Name
○	I
○	II
○	III
○	IV
○	V
○	VI
○	VII
○	X
○	XI
○	XII
○	L.K.G
○	U.K.G
Deactive	

Deactive Records

	Class Name
○	V
○	X
○	XI
○	U.K.G
Active	

Stream Master

Menu:
- Add Schedule
- User Registration
- Add Class
- Add Section Strength
- Add Stream
- Add Nationality
- Add Notice and Event
- Report

Add Stream

Note: Filled mark With (*) denotes mandatory fields.

Session* 2013-2014

Stream* English

[Submit]

All Records

	Stream	Session
○	Hindi	2010-2011
○	English	2012-2013
○	Hindi	2013-2014
○	English	2013-2014
○	Marathi	2013-2014
	Deactive	

Deactive Records

	Stream	Session
○	Marathi	2013-2014
	Active	

Nationality Master

Menu:
- Add Schedule
- User Registration
- Add Class
- Add Section Strength
- Add Stream
- Add Nationality
- Add Notice and Event
- Report

Add Nationality

Note: Filled mark with (*) denotes mandatory field

Nationality* Japanese

[submit]

Available Nationality
Indian
Pakistani
Chinees

Notice and Event Master

Maintain Notice and Events

Note: Filled mark with (*) denotes mandatory fields.

Notice*
```
Notice related information.
```

[Add] [Reset]

Event*
```
Event related information...
```

[Add] [Reset]

Login Admin

Login Admin

Note: Filled mark with (*) denotes mandatory field

User Role* | Principal
User Name* | JKNayak
Password* | •••••••••••

[Login] [Reset]

Admin Authority

Edit Student

Edit Student Details

Note: Filled mark with (*) denotes mandatory field

Enter Student Admission Number* A11

Roll Number* 5

[Search] [Reset]

Edit Student
Admission Cancel
Transfer Certificate
Student Document
Update Document
Report

Admission Cancellation

| Edit Student |
| Admission Cancel |
| Transfer Certificate |
| Student Document |
| Update Document |
| Report |

Admission Cancellation

Note: Filled mark with (*) denotes mandatory field

Admission Number* A11

[Cancel Admission]

Document Upload Main

| Edit Student |
| Admission Cancel |
| Transfer Certificate |
| Student Document |
| Update Document |
| Report |

Student Document

Note: Filled mark with (*) denotes mandatory field

Select session 2013-2014

Select class name* III

Enter Admission Number* A2

[Submit]

Student Document Upload

Student Document Upload

Note: Filled mark with (*) denotes mandatory field

Document	Description		Status	FileImage
Registration Form	C:\Users\Rajnish\Desktop\amit\New folder\RegForm	Browse…	Not Uploaded	Not Available
Application Form		Browse…	Not Uploaded	Not Available
Blood Group Report	C:\Users\Rajnish\Desktop\amit\New folder\BloodGro	Browse…	Not Uploaded	Not Available
Photograph		Browse…	Not Uploaded	Not Available
Medical Form		Browse…	Not Uploaded	Not Available
Previous Report Card		Browse…	Not Uploaded	Not Available
Transfer Certificate		Browse…	Not Uploaded	Not Available
Birth Certificate	C:\Users\Rajnish\Desktop\amit\New folder\BirthCertifi	Browse…	Not Uploaded	Not Available
Residential Form		Browse…	Not Uploaded	Not Available

Upload Document

Side menu:
- Edit Student
- Admission Cancel
- Transfer Certificate
- Student Document
- Update Document
- Report

Student Document Update

Update Student Document

Note: Filled mark with (*) denotes mandatory field

Select session	2013-2014
Select class name*	III
Enter Admission Number*	A2
Image Type*	Registration Form
Image Browse*	C:\Users\Rajnish\Desktop\amit\New folder\RegForm Browse…

Update

Side menu:
- Edit Student
- Admission Cancel
- Transfer Certificate
- Student Document
- Update Document
- Report

ANNEXURE 2: - <u>OUTPUT REPORTS WITH DATA</u>

Report Options

Enquiry Details	Registration Details	Student Details	Class And Section	Class Wise Strength

Enquiry Details Report

Enquiry Details	Registration Details	Student Details	Class And Section	Class Wise Strength

Date   13/4/2013

Session*   2013-2014

Student Class*   I

[Search]

Enquiry Details Of Student

Date: 13/4/2013

Enquiry Number	Student Name	Father Name	Class	Address	Mobile Number	Email	Enquiry Date
E17	Richa Rani	Dinesh R	I	Patna	898888888888	richa@gmail.com	15/1/2013
E18	Ramesh	Shyam	I	Ara	918956966874	ramesh@gmail.com	18/1/2013
E19	Sarika	Parsad	I	Pune	919507052430	sarika@gmail.com	20/2/2013
E20	Priya	Gupta	I	Ara	919430933508	Priya@yahoo.co.in	20/2/2013
E43	Neha Kumari	Rajan Rasane	I	Sitamarhi	919070524305	Neha@gmail.com	26/2/2013
E44	Rani	Joshi	I	Pune	917845896548	Rani.joshi@gmail.com	27/2/2013
E45	Rohan	Raj	I	Goa	918547541257	rohan.raj@gmail.com	27/2/2013

[Print]

Registration Details Report

Enquiry Details	Registration Details	Student Details	Class And Section	Class Wise Strength

Date   13/4/2013

Session*   2013-2014

Student Class*   II

Search

Registration Details Of Student

Date: 19/4/2013

Enquiry Number	Registration Number	Student Name	Father Name	Class	Address	Mobile Number	Email	Registration Date
E11	F11	Shyam Singh	Ram Bhadur Singh	II	Pune	8956966874	shyam.singh@gmail.com	08/03/2013
E20	F12	Sonu Singh	Mohan lal Singh	II	Pune	9430933508	sonu.singh@gmail.com	12/03/2013
E22	F15	Shashi Deshmukh	Lalit Deshmukh	I	Kolhapur	8928343775	shashi_deshmukh@gmail.com	12/03/2013
E25	F19	Neha Rode	Sheema Rode	III	Sholapur	9092457845	neha.rode@gmail.com	15/03/2013
E29	F22	Anagha Rashne	Lalan Rashne	IV	Ahmednagar	8451245789	anagha.rashne@gmail.com	15/03/2013
E35	F25	Rajesh Tiwari	Ramesh Tiwari	III	Mumbai	7845956874	rajesh123_tiwari@gmail.com	15/03/2013
E45	F30	Sonu Kumar	Sohan Kumar Singh	I	Pune	9856478548	sonu.kumar124@gmail.com	16/03/2013
E47	F35	Shikha Kumari	Uday Kumar Singh	II	Pune	87451245879	shikha.kumari555@gmail.com	16/03/2013
E56	F40	Pritam Ramesh	Piuysh Pratap Singh	III	Pandarpur	8951245784	pritam14.ramesh@rediffmail.com	18/03/2013

Print

Student Details Report

Date 13/4/2013

Session* 2013-2014

Enter Student Admission Number * A9

Search

Student Details

Date: 13/4/2013

Student Name	Student Class	Date Of Birth	Gender	Address	Email Id	Admission Date	Roll Number	Section	Stream	Father Name	Mother Name
Richa Kumari	IV	01/08/2008	female	City:sitamarhi State:Bihar Country:India Pincode:821457	richa.lol@gmail.com	12/07/2013	1	A	English	Rajan Rasane	Maya Rashne

Print

Class and Section Report

Date   13/4/2013

Session*   2013-2014

Student Class*   I

Section*   A

Search

Class And Section Details

Student Name	Roll Number	Stream
Amit Kumar	1	English
Akash Kumar	2	English
Anagha Rashee	3	English
Bhakti Awasarkar	4	English
Mahesh Singh	5	English
Shilpi Singh	6	English
Sweta Pandey	7	English
Rashu	8	English
Ruby Kumari	9	English
Neha Kumari	10	English

Class wise Strength Report

Enquiry Details	Registration Details	Student Details	Class And Section	Class Wise Strength

Date   13/4/2013

Session*   2013-2014

Student Class*   I

Search

Class And Strength Details

Date: 19/4/2013

Section	Strength
A	60
B	60
C	55
D	50
E	40

Print

ANNEXURE 3: <u>SAMPLE PROGRAM CODE</u>

```
<%@ page language="java" contentType="text/html; charset=ISO-
8859-1" pageEncoding="ISO-8859-1"
import="Bean.Admission.*"import="Database.Admission.*"
import="Connections.*"
import="java.sql.Connection,java.sql.DriverManager,
```

```
java.sql.ResultSet,java.sql.CallableStatement,
```

```
java.util.*;"%>
```

```
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01
Transitional//EN" http://www.w3.org/TR/html4/loose.dtd">
```

```
<html>
```

```
<head>
```

```
<meta http-equiv="Content-Type" content="text/html; charset=ISO-
8859-1">
```

```
<title>Enquiry Details</title>
```

```
<script language="javascript"
src="JavaScriptFile/formvalidation.js"></script>
```

```
<script language="javascript"
src="JavaScriptFile/country.js"></script>
```

```
<link href="CssFile\headingcss.css" rel="stylesheet"
type="text/css">
```

```
<link href="CssFile\textcss.css" rel="stylesheet" type="text/css">
```

```
<script>
```

```
function addDate(){
```

```
date = new Date();

var month = date.getMonth()+1;

var day = date.getDate();

var year = date.getFullYear();

varnextYear=year+1;

varsessionYear=year+"-"+nextYear;

//window.location.replace("Enquiry.jsp?sessionYear="+sessionYear
);


if (document.formvalidation.txtDate.value == ")

        {

        document.formvalidation.txtDate.value = day + '/' + month +
'/' + year;

        }

        document.formvalidation.txtSession.value =sessionYear;

}
</script>
</head>


<body onload="addDate()">
        <%

                EnquiryBeanenquiryBeanObj = new EnquiryBean();

                String date = enquiryBeanObj.getLblDate();
```

```jsp
            String studentName = enquiryBeanObj.getLblStudentName();

            String fatherName = enquiryBeanObj.getLblFatherName();

            String studentClass = enquiryBeanObj.getLblStudentClass();

            String address = enquiryBeanObj.getLblAddress();

            String city = enquiryBeanObj.getLblCity();

            String state = enquiryBeanObj.getLblState();

            String country = enquiryBeanObj.getLblCountry();

            String pinCode = enquiryBeanObj.getLblPincode();

            String mobileNumber = enquiryBeanObj.getLblIntMobileNumber();

            String email = enquiryBeanObj.getLblEmail();

            String comment = enquiryBeanObj.getLblComment();

            String submit = enquiryBeanObj.getBtnSubmit();

            String reset = enquiryBeanObj.getBtnReset();

            String yearSession = enquiryBeanObj.getLblSession();
        %>
<body>
<html>
```