

PROJECT REPORT

ON BAYBERRY PHARMACEUTICAL WEBSITE

FOR EXTREME WEBTECH Pvt. Ltd.

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MASTER IN COMPUTER APPLICATION

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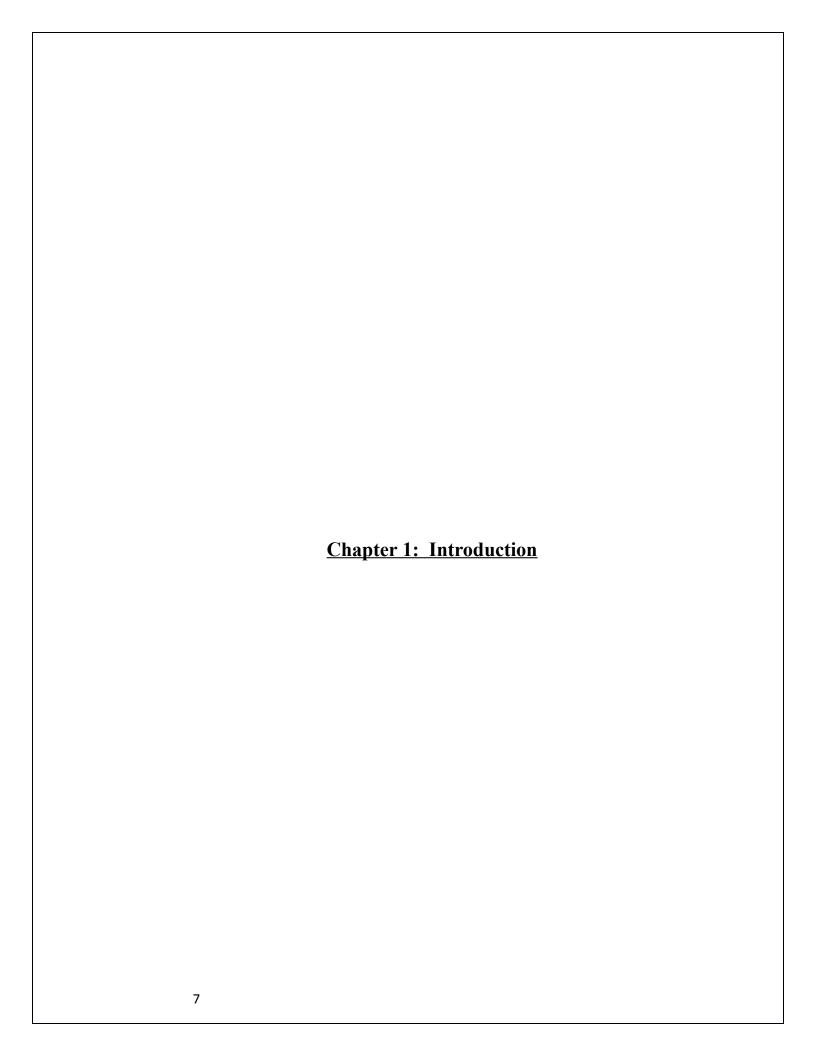
Last but not least I would like to thank Mr. Rahul Thakare who gave me opportunity to work on this project.

Pavan P. Gurupwar

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1.1 Company Profile:



Extreme Webtech Pvt. Ltd.was established in early 2011 by "Mr. Rahul Thakare" (Founder and CEO of the organization) with a vision of revolution and innovation in WEB.

As the journey began, we expanded from one to two and two to many. Starting off with Website Development for the Product based and Service based Companies, "EWT" diversified into newer areas including Software Development, ERP Solutions, E-commerce, etc.

Plug in Application:

"EWT" pioneered the "Plug in Application" in India. Today, in any of the business domain, performance of people is evaluated at every stage. Constant enhancement of concepts, skills and technologies is considered as crucial to business efficiency. People have to adopt right pace in tandem with business evolution, varying trends of business, global competition and so on. Beyond application and innovation, "EWT" boils down to execution - delivering on time, in budget and "on value". We optimized core operations to drive best-in-class efficiency and help found the transformation and innovation.

Extreme Webtech Pvt. Ltd. also strives to improve the client's capability, thereby helping them achieve their objectives. "EWT" has more than 100 clients from almost all Industries like manufacturing, pharmacy, automobile,

chemical and service industries and has successfully completed 1000's of corporate presentations.

Our client list includes Mahindra and Mahindra, Megha Automation, etc. Within two years we have a turnover of more than a crore and we are growing day by day.

Our Mission:

Extreme Webtech - A leading Web Services Company, with its experience, has realized that the companies worldwide prefer to deal with strategic partners. Extreme Webtech is a Web Services Company, provides consulting and web services to clients as partners to conceptualize and realize technology driven business transformation initiatives. Our team of dedicated designers, developers and account managers are committed to excellence and deliver array of web services including web design, custom web application.

Innovation:

Extreme Webtech Pvt. Ltd. imprint in the world of web and

software development which is result of its highly inspired,

talented and dedicated professionals driven by a need to give

you our best solutions. We respect and admire the aptitude of

our team members and leave no stone unturned in giving

them an environment that facilitates out-of-the-box thinking.

Website: www.extremewebtech.net

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Existing System and Need for System:

Existing System:

- Bayberry is a pharmaceutical organization.
- It is located in Pune.
- 35 It is having authorized dealers across the country.
- Bayberry maintains the product inventory.
- Dealers are supposed to order the products from company.
- 35 All the order and transportation is managed by bayberry.
- As it is a pharmacy company, management should keep look of expiry of product.

- For that bayberry keep track of inventory in a very different manner.
- The existing system for management of the import & export of products and the internal management of products is done by manually.
- Other miscellaneous works of company like product schemes, company events, vacancy management, customer enquiries are also handled manually.
- For advertisement and communication, company uses means like newspaper, radio, telephone etc.
- Each department has its independent & intercommunicating system for management.
- 35 And aftermath of these subsystems is calculated & linked to each other's tasks & works.
- Interdepartmental, with dealer communication ismanaged by official memos, letters and telephones.

- Thus it appears to been a large paperwork done by departments.
- This system results in a very lengthy & hectic process.
- Also it results as an error prone system, as, the maintenance & security of data is very critical task.

Need for System:

- ³⁵ A new integrated system is needed to clear the above mentioned flaws in the system.
- A system should be developed which allow to maintain all different departmental work under a centralized monitoring control.
- As the system is distracted in a wider geographical area, a web based system is needed to handle the workflow.

- ³⁵ A system should minimize the occurrence of human made errors.
- Users of the system should feel easy operating and well understanding while using the system.
- The flow of system should be easily monitored.
- 35 System should provide reliability & data security.

1.3 Scope of Work:

- A web based system can be developed for managing & controlling centrally as the business is across the country.
- ³⁵ A web based computer system will have all abstract information about system, workflow.
- Which will minimize the errors.

- ³⁵ An administrative module will have transparent and well controlled access for better monitoring.
- System will have a specific boundary of work for various types of users.
- As it will result in an easy, understandable, smooth and secured system.
- Specific user-name & password facility and dividation of users among necessary groups will provide security for critical data & operations.

1.4 **Operating Environment:**

Hardware:

(Client):

Monitor: color monitor.

35 17	Processor: Intel P4 or high			
35 17	RAM: 512mb			
35 17	Keyboard, Mouse, etc.			
(Server):				
35 17	Processor: Any server compatible processor.			
35 17	RAM: 2 GB			
35 17	HDD: 600 MB initial (increases as database will			
	increase).			
Soft	ware:			
(Clie	ent):			

- Operating System: Windows XP or high/ Linux.

 Internet explorer 6 or any other compatible web browser.

 (Server):

 MySQL DBEngine.
 - PHP5 or Advanced.
 - Server Control Panel.
 - PHP Client.
 - Internet Connectivity (That's Mandatory).
 - 1.5 <u>Detail Description of Technology Used:</u>
 - 35 PHP

35 MySQL

PHP:

PHP is a server-side scripting language designed for web development but also used as a general-purpose programming language. PHP is now installed on more than 244 million websites and 2.1 million web servers. Originally created by RasmusLerdorf in 1995, the reference implementation of PHP is now produced by The PHP Group. While PHP originally stood for Personal Home Page, it now stands for PHP: Hypertext Preprocessor, a recursive acronym. PHP code is interpreted by a web server with a PHP processor module which generates the resulting web page: PHP commands can be embedded directly into an HTML source document rather than calling an external file to process data. It has also evolved to include a command-line interface capability and can be used in standalone graphical applications.

PHP is free software released under the PHP License, which is incompatible with the GNU General Public License (GPL) due to

restrictions on the usage of the term PHP. PHP can be deployed on most web servers and also as a standalone shell on almost every operating system and platform, free of charge.

The PHP language was originally implemented as an interpreter, and this is still the most popular implementation. Several compilers have been developed which decouple the PHP language from the interpreter. Advantages of compilation include better execution speed, static analysis, and improved interoperability with code written in other languages. PHP compilers of note include Phalanger, which compiles PHP into Common Intermediate Language (CIL) bytecode, and HipHop, developed at Facebook and now available as open source, which transforms the PHP Script into C++, then compiles it, reducing server load up to 50%.

PHP source code is compiled on-the-fly to an internal format that can be executed by the PHP engine. In order to speed up execution time and not have to compile the PHP source code every time the web page is accessed, PHP scripts can also be deployed in executable format using a PHP compiler.

Code optimizers aim to enhance the performance of the compiled code by reducing its size, merging redundant instructions and making other changes that can reduce the execution time. With PHP, there are often opportunities for code optimization. An example of a code optimizer is the eAccelerator PHP extension.

Another approach for reducing compilation overhead for PHP servers is using an opcode cache. Opcode caches work by caching the compiled form of a PHP script (opcodes) in shared memory to avoid the overhead of parsing and compiling the code every time the script runs.

Benefits of PHP

- Easy to Code Programs
- 35 Open source Technology
- Tremendous Opening in IT Company
- Suitable in All Operating System
- Easy made web Application

- Flexible Server.
- High Processing Speed
- Huge Data storage by MySQL

MySQL:

MySQL is an open source, Enterprise-level, multi-threaded, relational database management system. That sounds like a lot of sales or marketing hype, but it truly defines MySQL.

MySQL was developed by a consulting firm in Sweden called TcX.

They were in need of a database system that was extremely fast and flexible. Unfortunately (or fortunately, depending on your point of

view), they could not find anything on the market that could do what they wanted. So, they create MySQL, which is loosely based on another database management system called mSQL. The product they created is fast, reliable, and extremely flexible. It is used in many places throughout the world.

Universities, Internet service providers and nonprofit organizations are the main users of MySQL, mainly because of its price (it is mostly free). Lately, however, it has begun to permeate the business world as a reliable and fast database system.

Chapter 2: Proposed System

2.1 **Proposed System:**

- Proposed system is a web based management system.
- The system which will be capable of controlling the operations across remote locations.
- Centralized system which manages all processes and data online 24/7.

- Easy to use and understandable.
- Easy for monitoring & controlling purpose.
- User can do business task anytime and from anywhere as it is a web-based system.
- System will be error-less & perfect for the business requiring online operations.
- All operations will be transparent thus, easy to monitor & to keep track.
- Security will be enhanced by specifying user roles & username, password authentication.

2.2 Objectives of System:

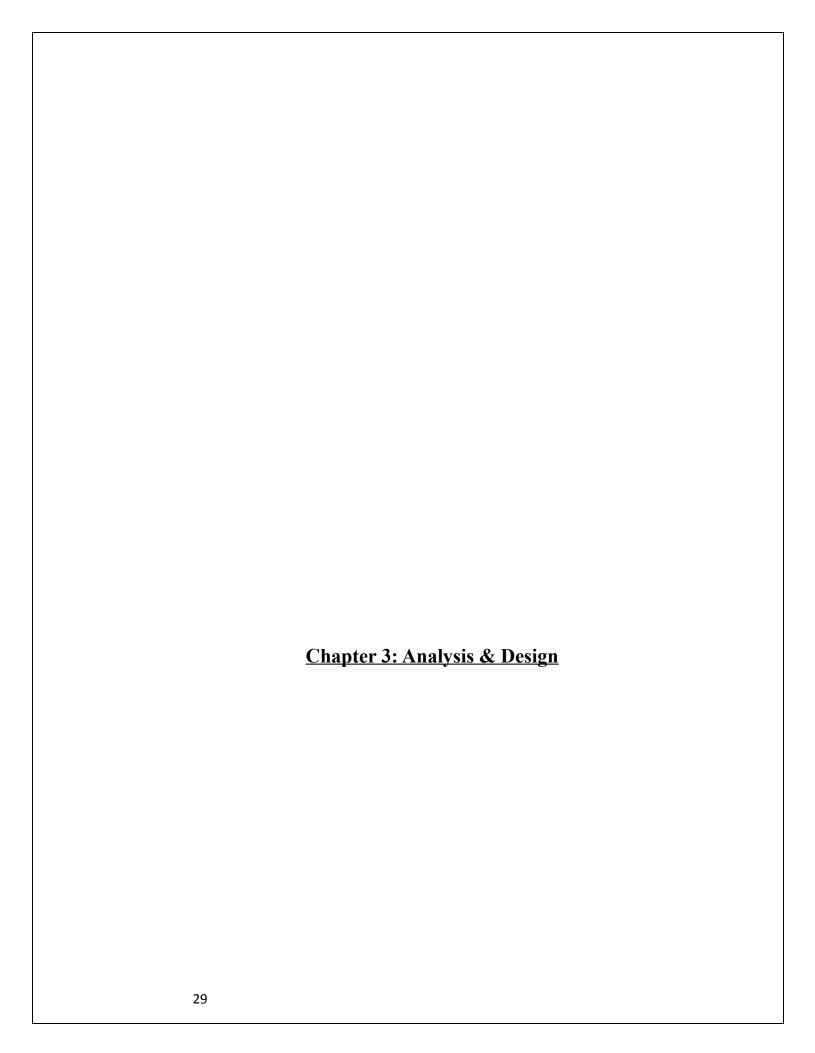
The main objective of this system is to automate the functions between Administrator and Dealer.

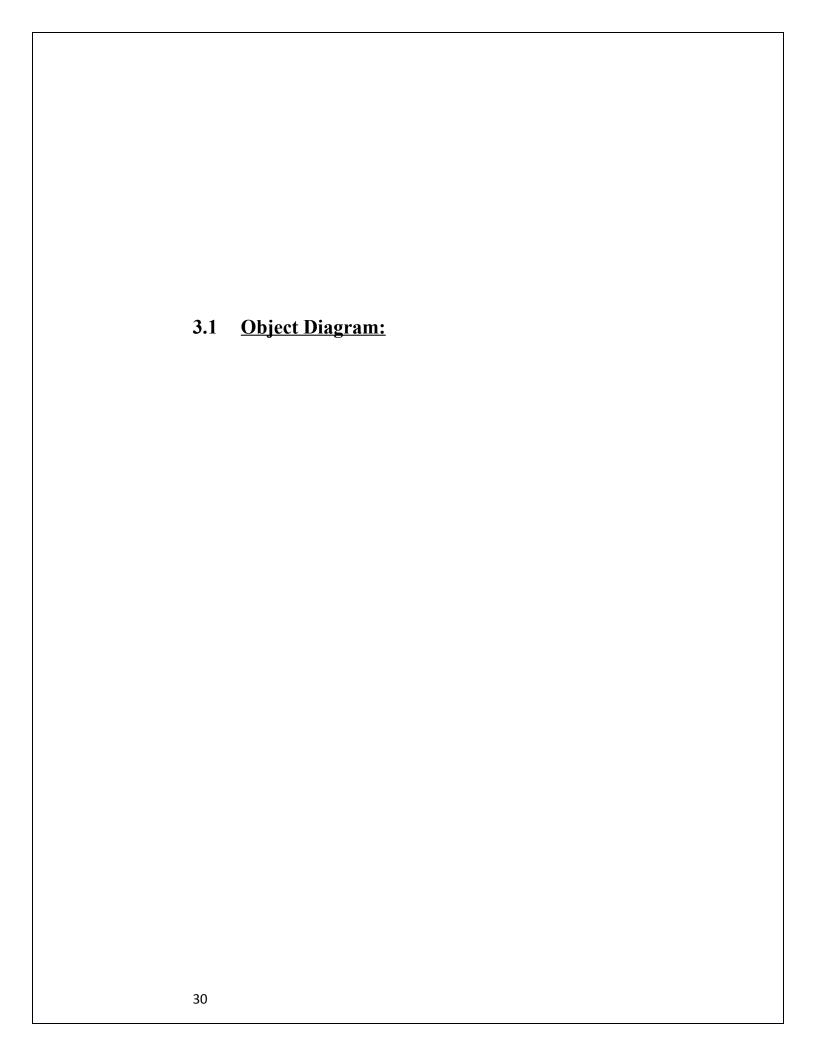
- 35 I.E. Managing orders of dealer about products from both Admin and Dealer end.
- Various types of user accounts should be efficiently managed.
- 35 System also should maintain the Product Information online.
- Products should be maintained as they divided intovarious categories and divisions.
- Inventory Management with consideration of Expiry-Dates of various products is also a main objective.
- Miscellaneous functions like vacancy management, events and schemes management, enquiry management also should be maintained.
- System should generate various detailed reports as per the user requirement.
- Minimize the human errors.

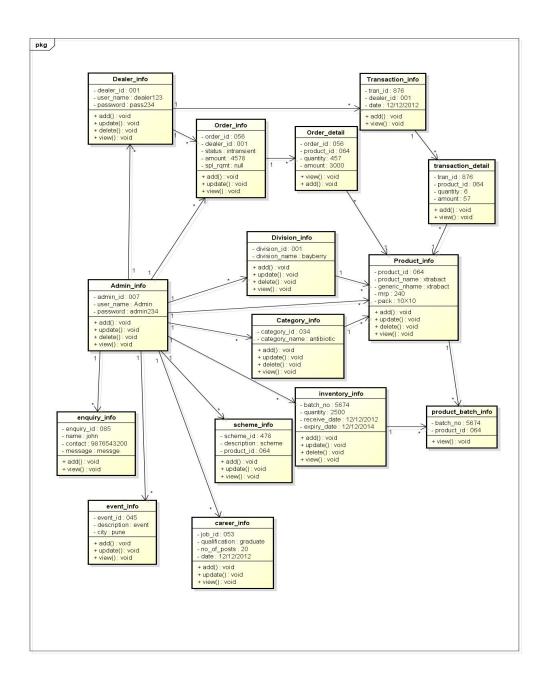
- Minimize the load of paper documentation & data maintenance.
- Enhance security of the company data.
- ³⁵ A centralized system for various departments.
- Easily monitor & controllable.

2.3 <u>User Requirements:</u>

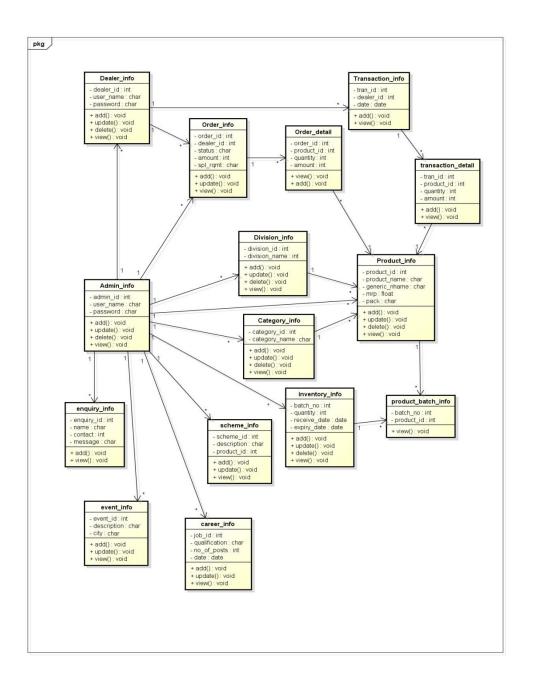
- Automated System: The system should provide more automatic work and less manual workload.
- Recording: System should record all the important tasks done by user and system.
- UFI: User Friendly Interface, system should provideeasily operable and understandable interface.
- Should avoid unnecessary paper documentation & casing human errors.
- Data & operations should have more secure.
- 35 All the departments should come under only one controlling system.
- Easy to use, understand & monitor.





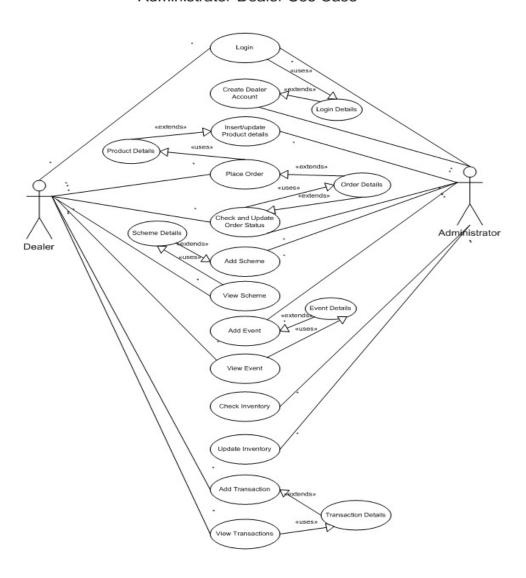


3.2 Class Diagram:

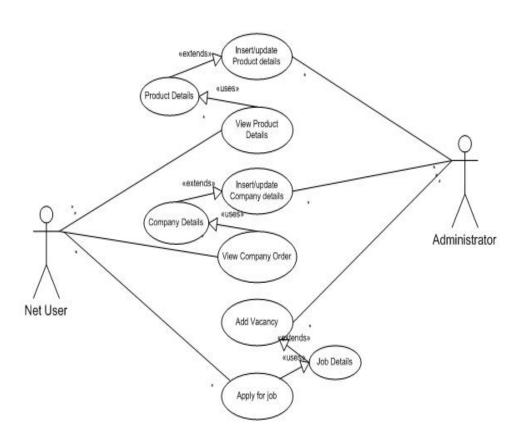


3.3	Use Case Diagram:
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Administrator-Dealer Use Case

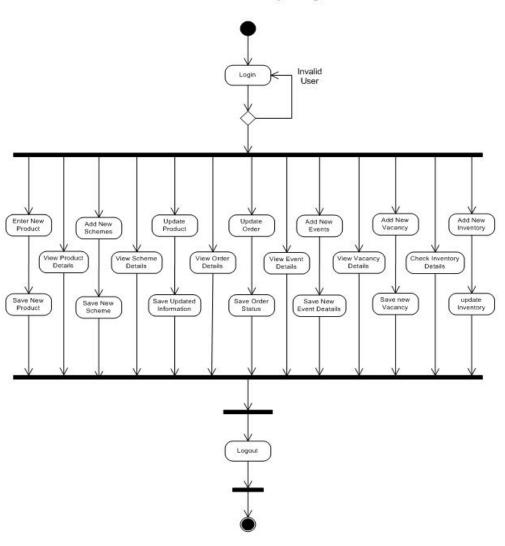


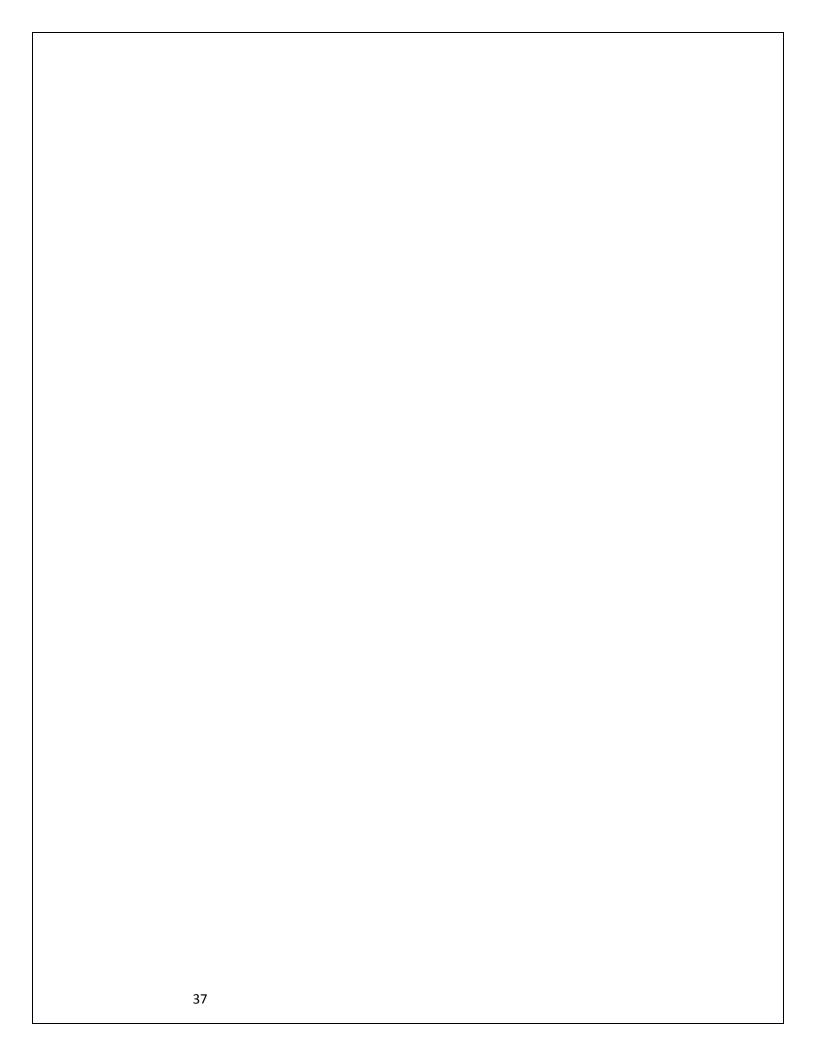
Administrator-Net User Use Case



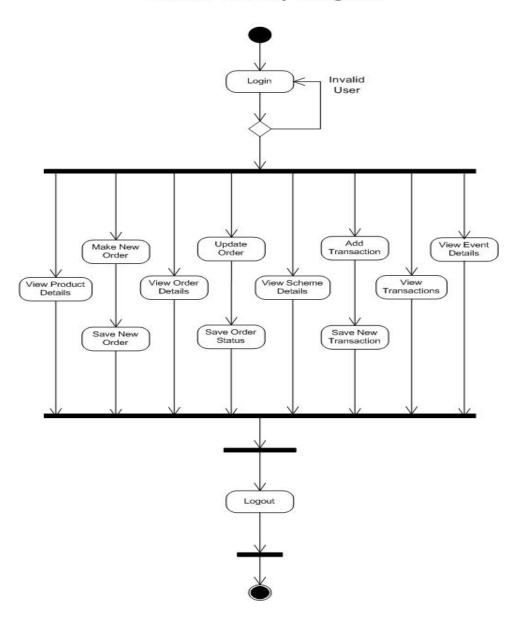
3.4 Activity Diagram:

Administrator Activity Diagram

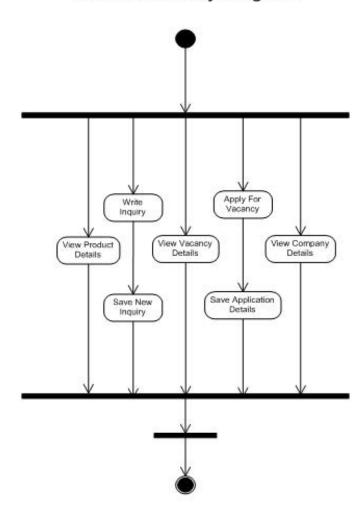




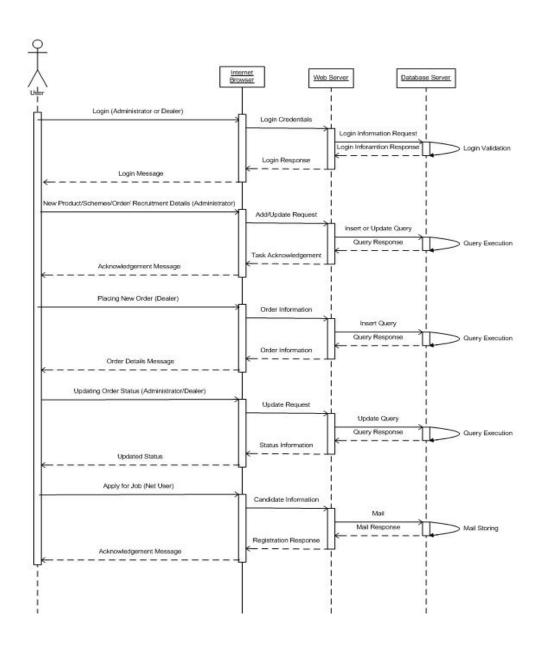
Dealer Activity Diagram



Net User Activity Diagram

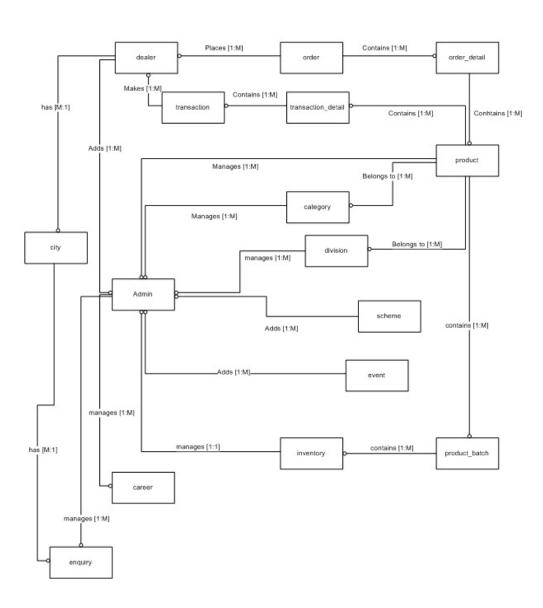


3.5 **Sequence Diagram:**



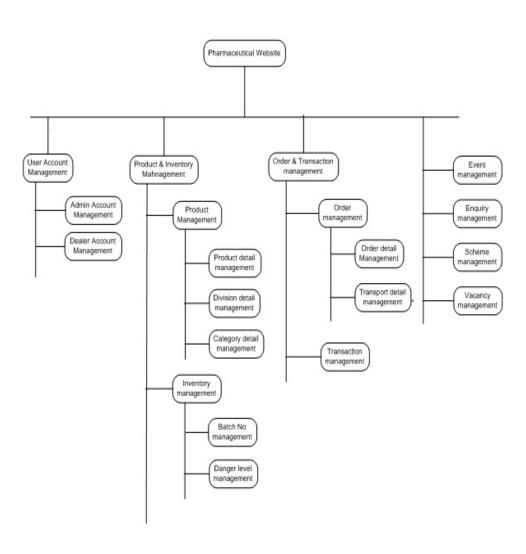
3.6	Entity-Relationship Diagram:
41	

E-R Diagram

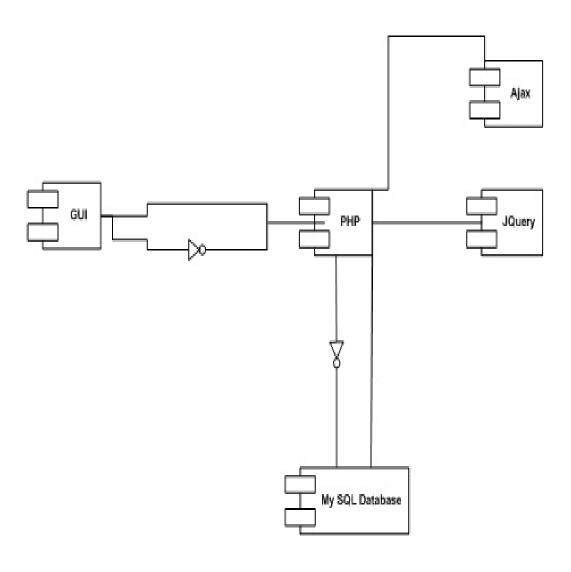


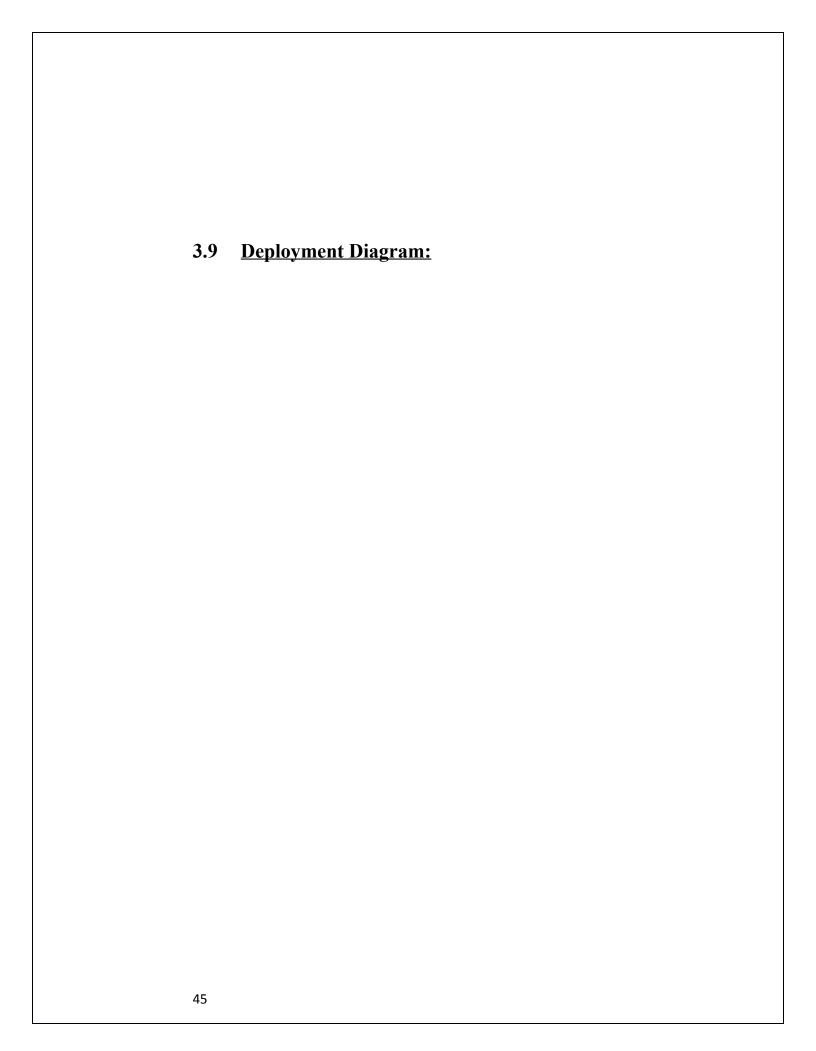
3.7 <u>Module Hierarchy Diagram:</u>

Module Hierarchy Diagram

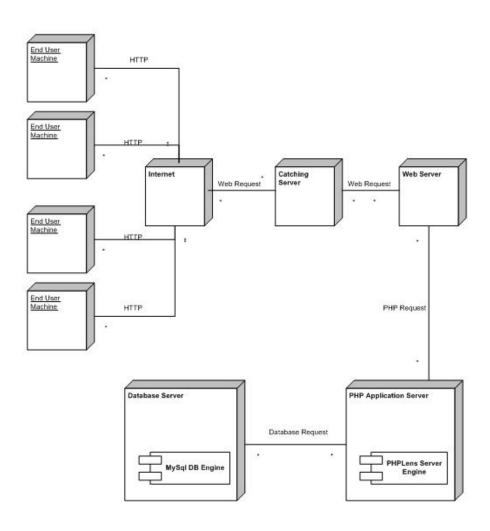


3.8 Component Diagram:





Deployment Diagram



3.10 **Module Specification:**

Administrator Modules:

15 User Account Management:

This module is used by Admin for creating new and managing user accounts like Admin & Dealer.

Product Management:

This module includes product management along with their dividation with categories and division.

I.E. Adding, updating, deleting products as well as categories and divisions.

Inventory Management:

Managing Inventory along with information like Lot Number, Received Date, Expiry Date.

35 Order Management:

This Module deals with orders placed by dealer.

I.E. Checking & Validating order & Updating
the order status.

Miscellaneous Modules:

• Event Management:

Managed by Admin.

Can be seen by all users.

• Scheme Management:

Managed by Admin.

Can be seen by Dealer.

• Vacancy Management:

Managed by Admin.

Any net-user can apply.

• Enquiry Management:

Admin manages and responds to enquiries posted by net-users.

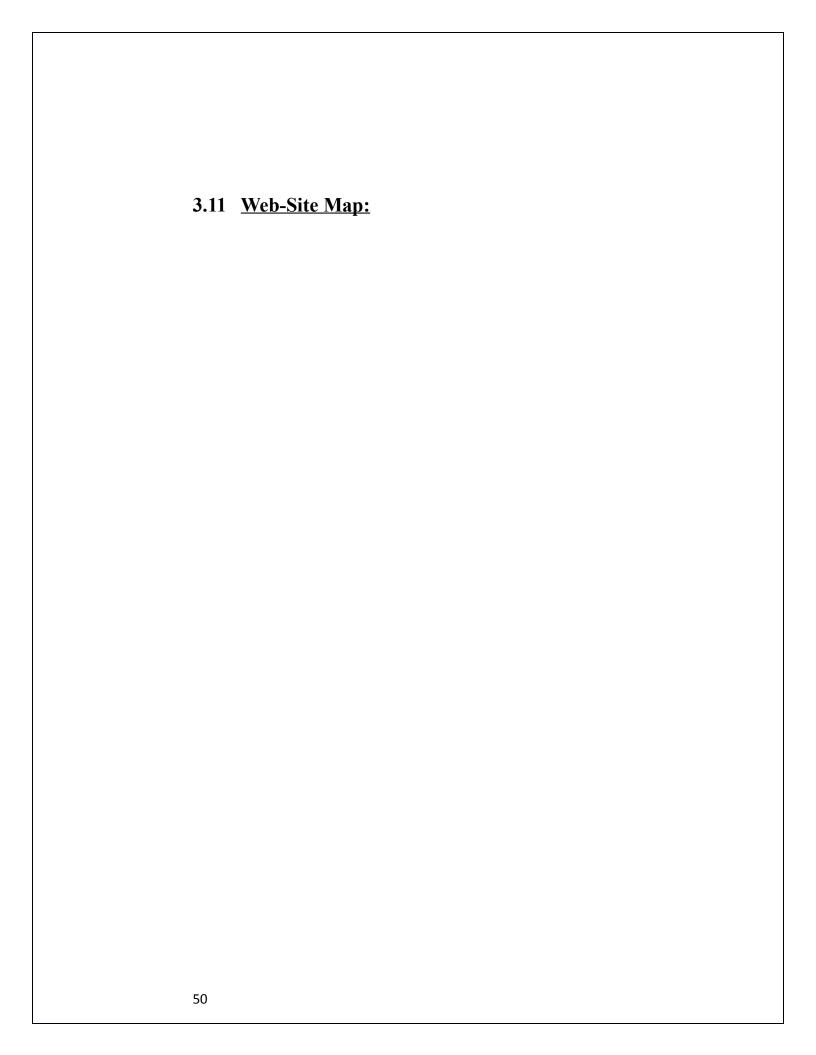
Dealer Modules:

35 Order Management:

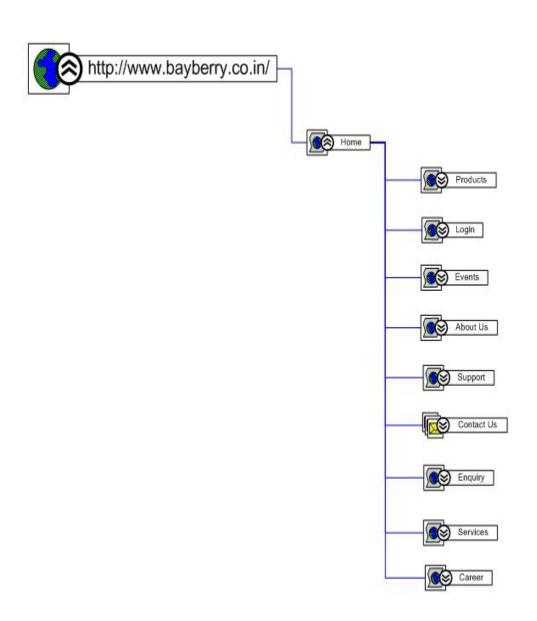
- Avails Dealer to place order for required products.
- Also Dealer can update order status.

Transaction Management:

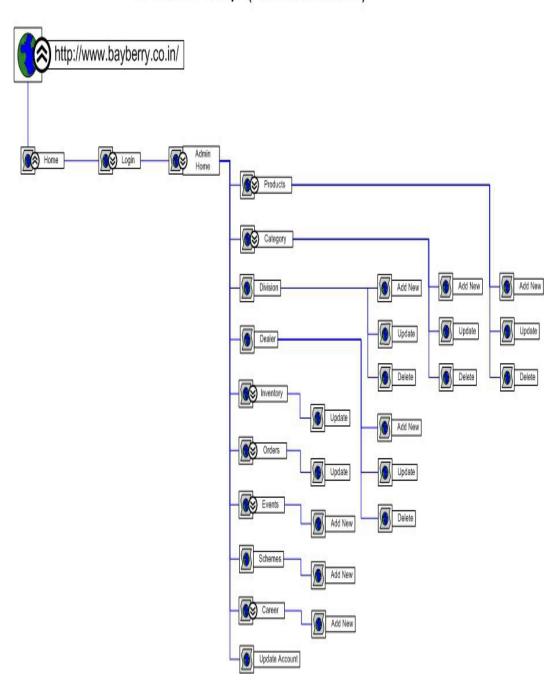
- Dealer can record transactions done with customers.
- Also can view previous transactions.



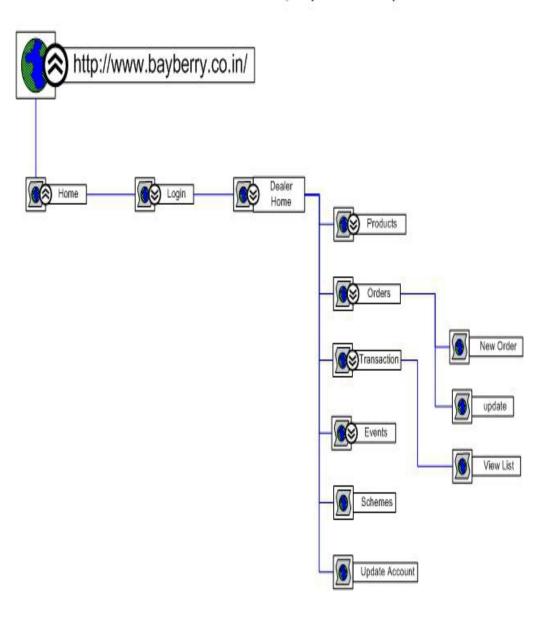
Website Map (Internet User)



Website Map (Administrator)

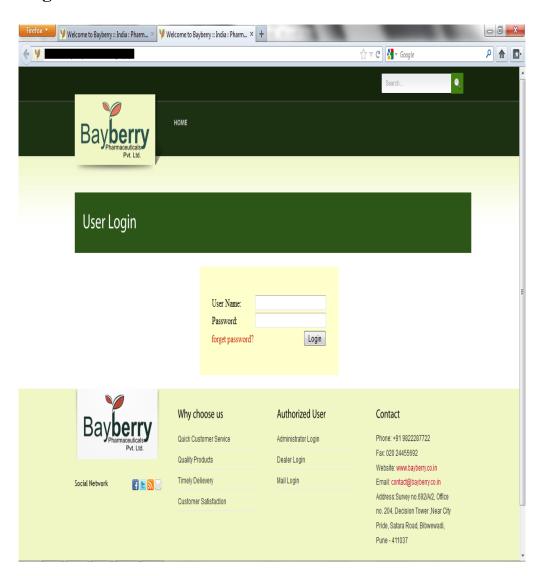


Website Map (Dealer)

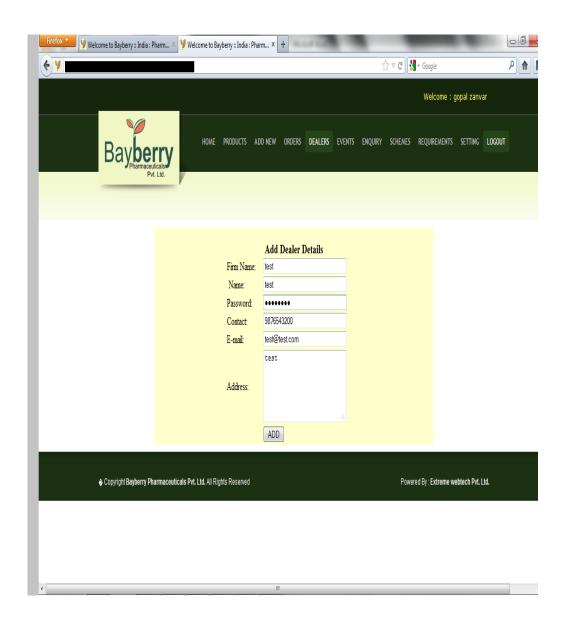


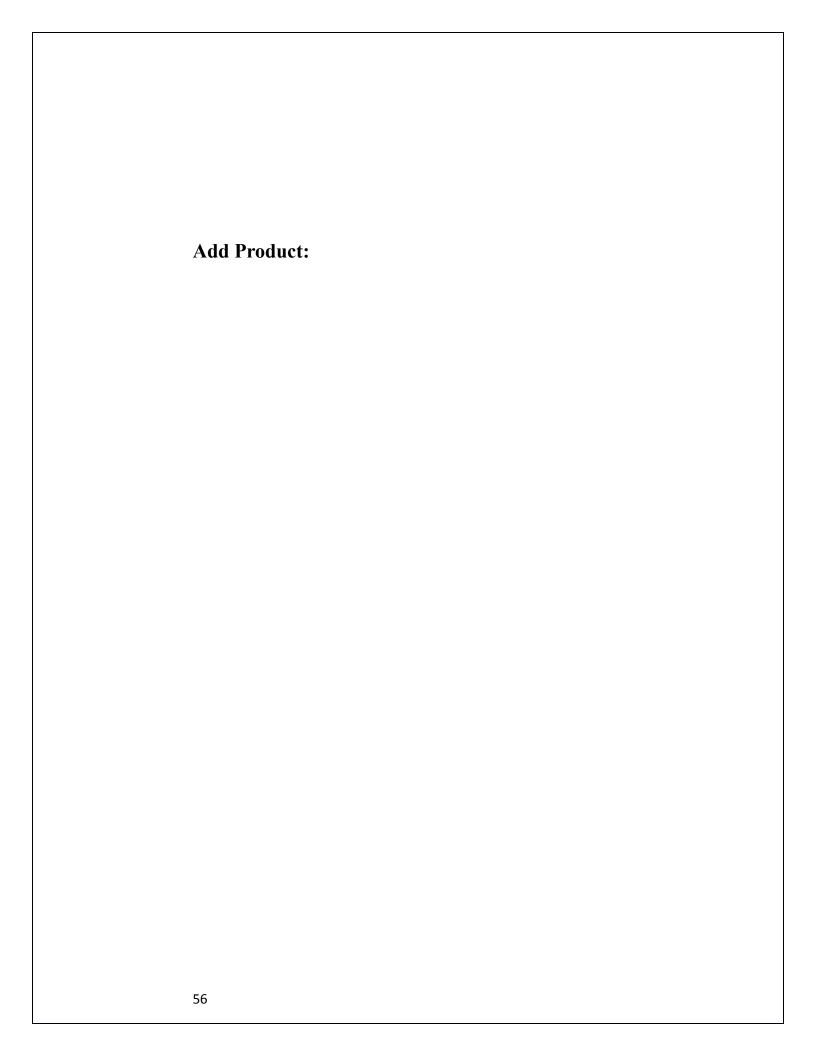
3.12 <u>User Interface Design:</u>

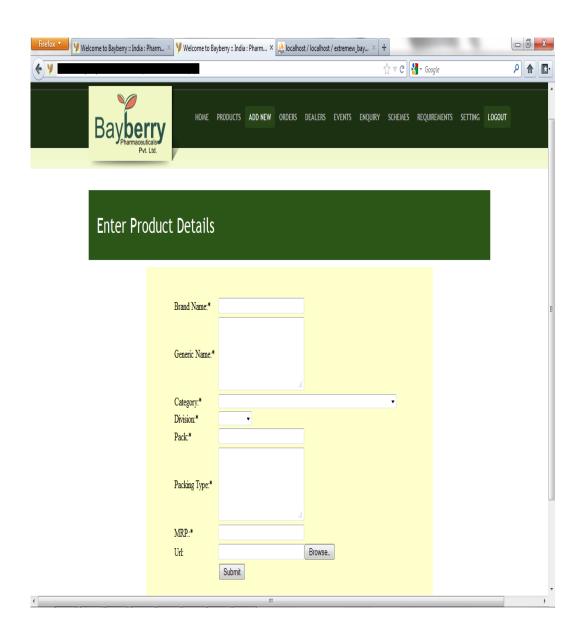
Login Screen:



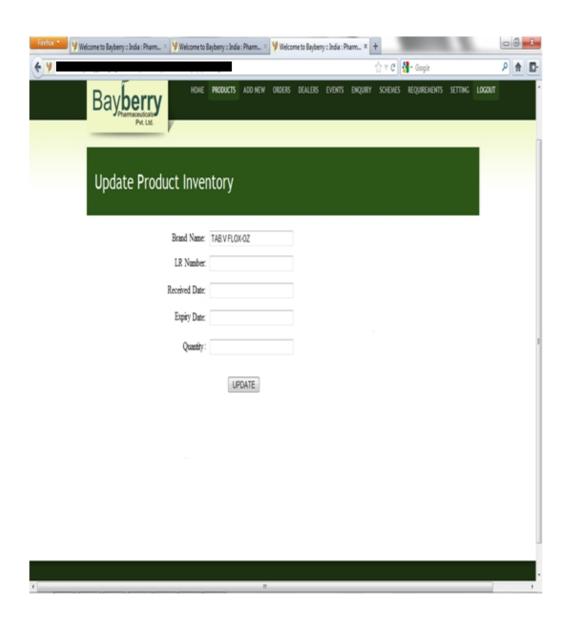
Add User:



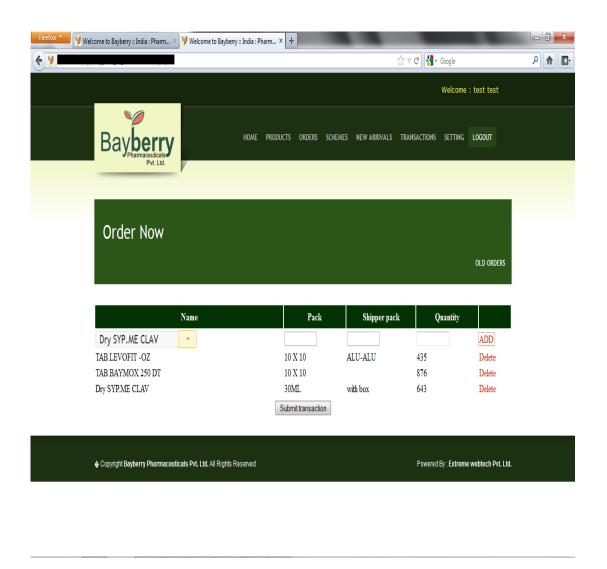




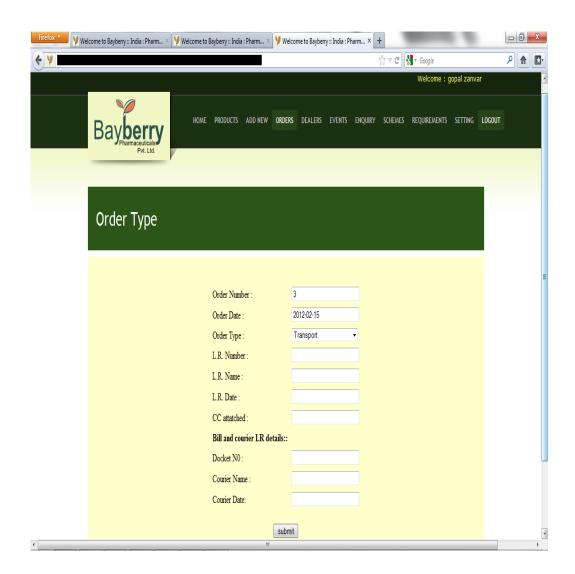
Product Inventory Management:



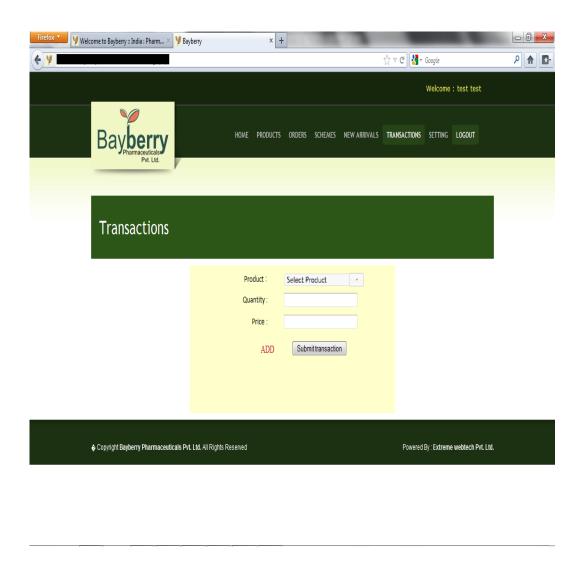
Product Order:



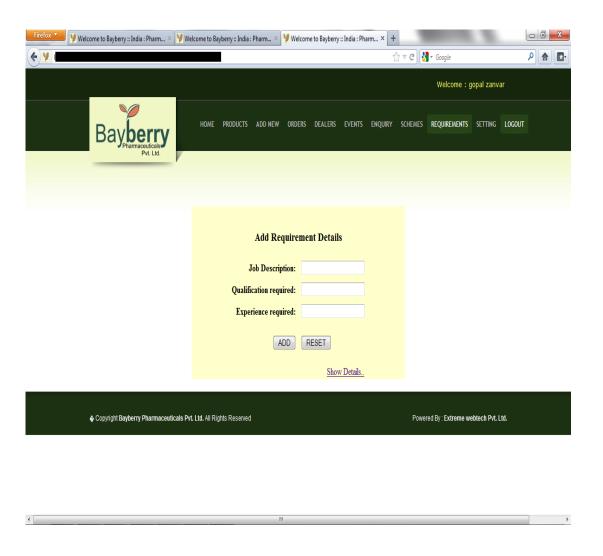
Manage Order:



Dealer-Customer Transactions:



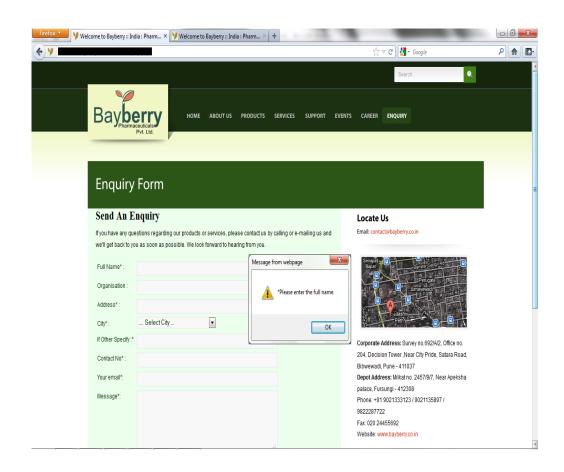
Manage Vacancy:



Apply for Vacancy:



User Enquiry:



3.13 <u>Table Specification:</u>

 $admin_info$

Field Name Datatype Length Specification
--

admin_id	number	-	PK
Username	varchar2	20	
Password	varchar2	20	
Name	varchar2	20	
Contact	number	-	

dealer_info

Field Name	Datatype	Length	Specification
dealer_id	number	-	PK
Name	varchar2	20	
User_name	varchar2	20	
password	Varchar2	20	
Contact	number	-	
Address	varchar2	100	
City	Varchar2	20	_

product_info

Field Name Datatype	Length	Specification
---------------------	--------	---------------

mmo day at id			DV
product_id	number	-	PK
Name	varchar2	20	
Generic_name	Varchnar2	20	
category_id	number	-	FK
division_id	number	-	FK
Pack	varchar2	10	
packing_type	varchar2	20	
Mrp	number	(10,2)	
Image	varchar2	30	

$inventory_info$

Field Name	Datatype	Length	Specification
batch_no	number	-	PK
Quantity	number	-	
received_date	Date	-	
expiry_date	Date	-	

product_batch_ info

Field Name	Datatype	Length	Specification
Product_id	number	-	FK
Batch_no	number	-	FK

category_info

Field Name	Datatype	Length	Specification
category_id	number	-	FK
category_name	varchar2	20	
category_desc	varchar2	100	

division_info

Field Name	Datatype	Length	Specification
division_id	number	-	FK
division_name	varchar2	20	
Description	varchar2	100	

$order_info$

Field Name	Datatype	Length	Specification
order_id	number	-	PK
dealer_id	number	-	FK
Date	Date	-	
Status	varchar2	20	
order_amount	number	(10,2)	
spl_rqmt	varchar2	100	

order_details

Field Name	Datatype	Length	Specification
order_id	Number	-	FK

product_id	number	-	FK
Quantity	number	-	
Amount	number	(10,2)	

$transaction_info$

Field Name	Datatype	Length	Specification
tran_id	number	-	PK
dealer_id	number	-	FK
Date	date	-	
Amount	Number	(10,2)	

$transaction_details$

Field Name	Datatype	Length	Specification
tran_id	number	-	FK
product_id	number	-	FK
Quantity	number	-	
Amount	Number	(10,2)	

$scheme_info$

Field Name	Datatype	Length	Specification
scheme_id	Number	-	PK
scheme_name	varchar2	20	
scheme_desc	varchar2	100	
product_id	number	-	FK

enquiry_info

Field Name	Datatype	Length	Specification
enquiry_id	number	-	PK
enquiry_name	varchar2	20	
Organization	varchar2	20	
Address	varchar2	50	
City	varchar2	10	
Phone	Number	-	
Email	varchar2	30	
Message	varchar2	100	
Date	Date	-	

career_info

Field Name	Datatype	Length	Specification
job_id	number	-	PK
job_description	varchar2	20	
Qualification	varchar2	20	
no_of_posts	number	-	
Experience	varchar2	20	
Date	date	-	

event_info

Field Name	Datatype	Length	Specification
event_id	number	-	PK
event_description	varchar2	20	
Date	date	-	
Event_city	varchar2	20	

3.14 <u>Test Procedures & 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. This can be done by various software testing techniques which provide a systematic guidance for designing tests that exercise the input and output domains of

the program to uncover errors in program function, behavior and performance.

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

- Unit testing
- Integration testing
- White box testing
- 35 Black box testing
- ³⁵ Acceptance tests (Alpha and Beta testing)

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. All possible paths through

the control structure are exercised to ensure that all statements in a program are executed at least once. 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.
- ³⁵ Improper or nonexistent loop termination.
- ³⁵ Improperly modified loop variable.

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.

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. Every logical decision is executed to check both true and false conditions. All loops are executed at their boundaries and within their operational bounds. Validation checks are also done during this process.

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
- 35 Interface errors
- Errors in data structures and external database access
- Performance errors

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.

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.

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:

7	Test			1	
Case II) #				
7	Гest	Test fur	nctionality of logi	in form.	
Case					
Name					
I	Pre	Login f	form should get lo	oaded.	
requisit	te				
(Obj	To find	out bugs in login	form if exist.	
ective					
Sr.No	Ste	ps to	Expected	Actual Result	Pass/Fail
	be		Result		Criteria
	_	cuted			
		rname			
		tbox			
		t cases	T. 1 11	T. 1. 1	_
1.	1.		It should	1 ,	Pass
		rname	display error	error message	
	as	blank	message	"Enter	
	field. 2.Enter		"Enter username".	username".	
	con		usemanie.		
		sword.			
	pasi 3	Click			
	١٠.	submit.			
2.	1.	Enter	It should	It displays	Pass
	wro		display error	error message	
	Username		message	"Wrong	
	2.Enter		"Wrong	Username or	
	correct		Username or	Password."	
	pas	sword.	Password."		
	3.	Click			

	on submit.			
3.	 Enter correct username. Enter password as blank field. Click on submit. 	It should display error message "Enter password".	It displays error message "Enter password".	Pass
4.	 Enter correct Username. Enter wrong password. Click on submit. 	It should display error message "Wrong Username or Password."	1 1	Pass

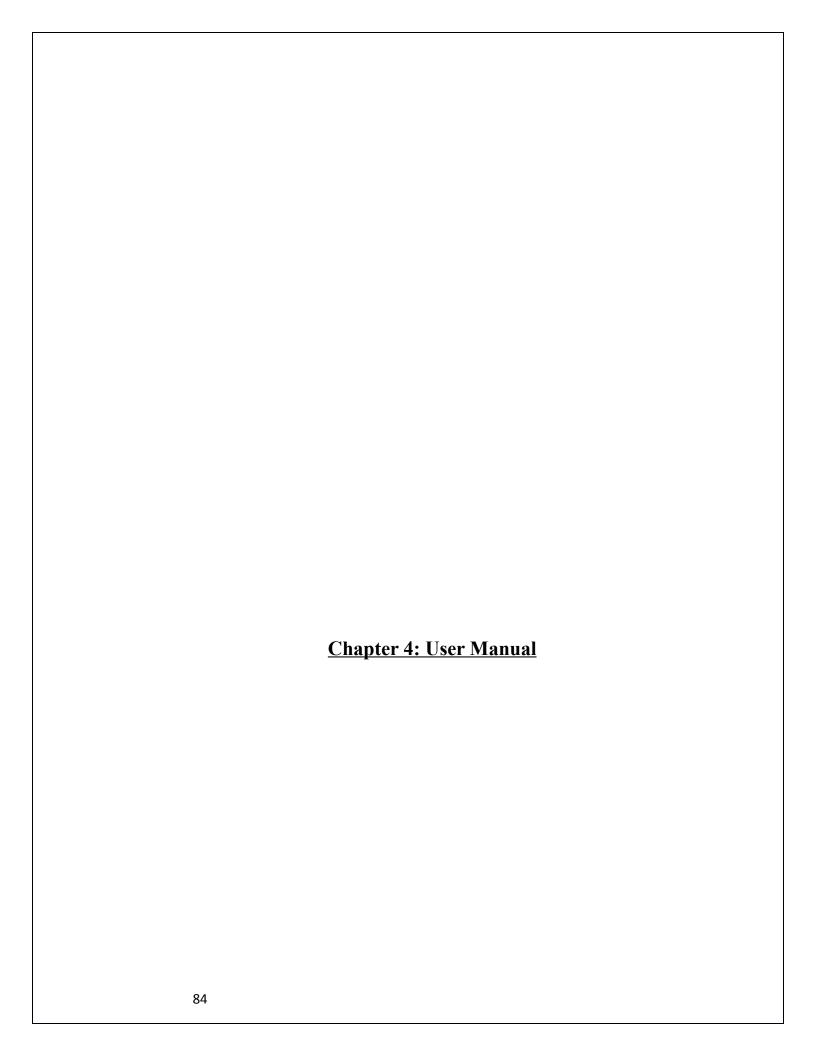
		1			
Test		2			
Case II)#				
	Гest	Test fur	nctionality of enq	uiry form.	
Case					
Name					
l l	Pre	Enguir	y form should get	loaded.	
requisi	te	' '	, c		
	Obj	To find	out bugs in enqu	iry form if exist.	
ective	j	10 11110	ouveuge in onde		
Sr.No	Ste	ps to	Expected	Actual Result	Pass/Fail
	be	ps to	Result	rictuur reguit	Criteria
		cuted	Result		Criteria
		rname			
		tbox			
	_	t cases			
1.	1.	Enter	It should	It displays	Pass
1.		lname		1 2	rass
		blank	display error	error message	
	as	0 -01	message "Please enter	"Please enter	
	field.			the full name".	
	2.Enter		the full name".		
	other data				
	l	rectly.			
	3.	Click			
		submit.	T. 1 11	T. 1' 1	D
2.	1.	P. 11	It should	It displays	Pass
		erFulln	display error	error message	
	ame		message	"Please enter	
		nbers	"Please enter	letters only."	
	and		letters only."		
	special				
		racters.			
	2.E	nter			
	oth	er data			

	correctly. 3. Click on submit.			
3.	 Enter Fullname only with charaters and spaces. Enter other data correctly. Click 	It should display error message "Enquiry posted successfuly".	It displays error message "Enquiry posted successfuly".	Pass
4.	on submit. 1. Enter	It should	It displays	Pass
	address as blank field. 2.Enter other data correctly. 3. Click on submit.	display error message "Please Enter address."	error message "Please Enter address."	
5.	 Enter address. Enter other data correctly. Click on submit. 	It should display error message "Enquiry posted successfuly".	It displays error message "Enquiry posted successfuly".	Pass
6.	1. Do not select city. 2.Enter	It should display error message	It displays error message "Please select	Pass

	other data correctly. 3. Click on submit.	"Please select city."	city."	
7.	 Select City. Enter other data correctly. Click on submit. 	It should display error message "Enquiry posted successfuly".	It displays error message "Enquiry posted successfuly".	Pass
8.	 Enter contact as blank field. Enter other data correctly. Click on submit. 	It should display error message "Please Enter contact."	It displays error message "Please Enter contact."	Pass
9.	1. Enter contact with non-numeric value. 2.Enter other data correctly. 3. Click on submit.	It should display error message "Enter valid contact number."	1 2	Pass
10.	1. Enterconta ct less than 10 digit.	It should display error message "Enter valid contact	It displays error message "Enter valid contact number."	Pass

11	2.Enter other data correctly. 3. Click on submit.	number."	It displays	Dogg
11.	1. Enter contact more than 10 digit. 2.Enter other data correctly. 3. Click on submit.	It should display error message "Enter valid contact number."	It displays error message "Enter valid contact number."	Pass
12.	1. Enter contact of 10 digit. 2.Enter other data correctly. 3. Click on submit.	It should display error message "Enquiry posted successfuly".	It displays error message "Enquiry posted successfuly".	Pass
13.	1. Enter email as blank. 2.Enter other data correctly. 3. Click on submit.	It should display error message "Enter email."	It displays error message "Enter email."	Pass
14.	1. Enter email in improper format. 2.Enter	It should display error message "Invalid email format."	It displays error message "Invalid email format."	Pass

	other data			
	correctly.			
	3. Click			
	on submit.			
15.	1. Enter	It should	1 2	Pass
	email	display error	error message	
	format	message	"Enquiry	
	properly.	"Enquiry	posted	
	2.Enter	posted	successfuly".	
	other data	successfuly".		
	correctly.			
	3. Click			
	on submit.			
16.	1. Enter	It should	It displays	Pass
	message	display error	error message	
	as blank.	message	"Please enter	
	2. Enter	"Please enter	your	
	wrong	your	message."	
	password.	message."		
	3. Click			
	on submit.			
17.	1. Enter	It should	It displays	Pass
	message.	display error	error message	
	2.Enter	message	"Enquiry	
	other data	"Enquiry	posted	
	correctly.	posted	successfuly".	
	3. Click	successfuly".		
	on submit.			



4.1 <u>User Manual:</u>

To access the online system of Bayberry, you will be needing all client level environments fulfilling computer system.

The User Manual has divided among the various users of the system as Administrator, Dealer, and Internet User.

However as it is a web based system, it is mostly a non-sequential process. So, the manual also designed as steps-less.

These two directions are for all the users.

- Open web browser and go to the url path.
- You will have access to the homepage.

35 Internet User:

35 Once you open homepage of system you can get brief information about bayberry.

35 At home pageyou will able to see various options on option pane.

35 **ABOUT US**:

You can get information about bayberry's functions, motives etc.

PRODUCTS:

You will see the list of our products with photos representing corresponding product.

As products are divided into categories and divisions, you can see particular category or division information and also the corresponding products.

Also you can download pdf format product list.

35 SERVICES:

It shows various services provided by Bayberry.

35 **SUPPORT:**

Here you can get information about our business support policies.

35 EVENTS:

Collection of our Event photos.

35 CAREER:

Career Opportunities offered by bayberry.

35 **ENQUIRY:**

An Enquiry form to submit enquiries.

35 Administrator:

Admin user should Login with user account credentials.

After login you can see various functions and options for admin.

35 **PRODUCTS**:

Has product list with update and delete option.

Also have categories, divisions and inventory with update delete functions.

35 **ADD NEW:**

Here you can add products, category, and division.

35 ORDERS:

User can manage orders places by dealer.

35 **DEALERS:**

Lists the existing dealer info with update & delete option.

35 **EVENTS**:

Event photos with add event option.

35 **ENQUIRY:**

Lists the posted enquiries.

35 SCHEMES:

Lists product schemes with add new, update, delete options.

35 **REQUIRMENTS:**

List of requirement details with add new, update, delete options.

35 **SETTING:**

Change password facility and Add new dealer function.

35 LOGOUT:

Logs you out and ends Admin session.

35 Dealer:

Log in with dealer account credentials.

You can see the following functions at home page.

PRODUCTS:

Product List with categories and divisions.

35 ORDERS:

You can place new orders, see old orders and check order status.

35 SCHEMES:

Shows schemes on various products.

TRANSACTIONS:

Can create new transactions and view old ones.

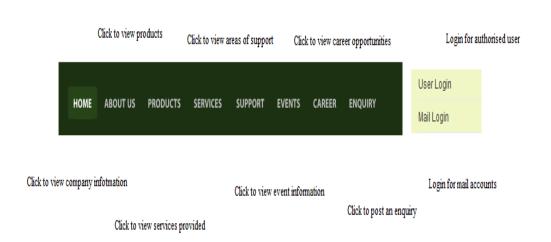
35 **SETTING:**

Provides password change policy.

35 LOGOUT:

Logs you out and ends Dealer session.

4.2	Operations Manual / Menu Explanation:
	All major operations are divided among the users:
	35 Administrator
	35 Dealer
	35 Internet User
	Internet User:

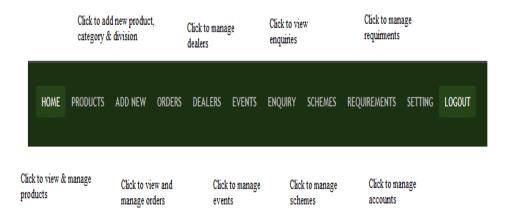


Internet users can perform following tasks:

- View company Information.
- View product information alongside categories and divisions.
- View services provided by company.
- View areas of support.
- View company events.
- View and apply career opportunities.
- Post an enquiry.

 Login to authorized user portal and/or mail if authorized.

Administrator:



Administrator can perform following tasks:

- Manage existing products.
- Add new product, category or division.
- Manage orders placed by dealers.
- Manage dealer accounts.
- Add new events.
- View and reply to enquiries.
- Manage product schemes.
- Manage recruitment details.
- Manage Admin accounts.

Dealer:

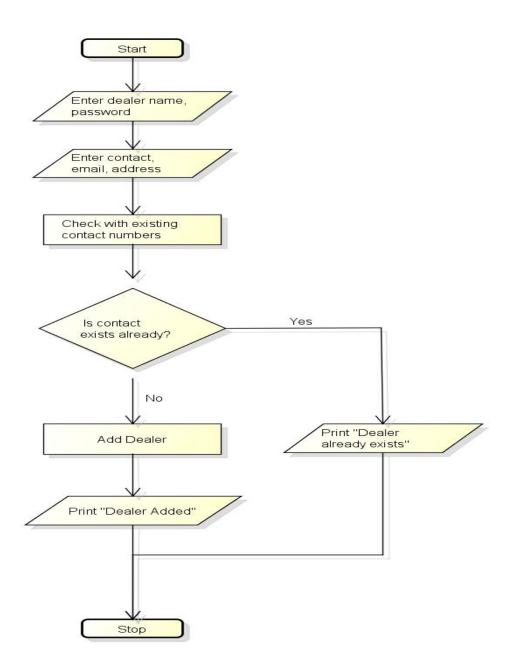


Dealer can perform following tasks:

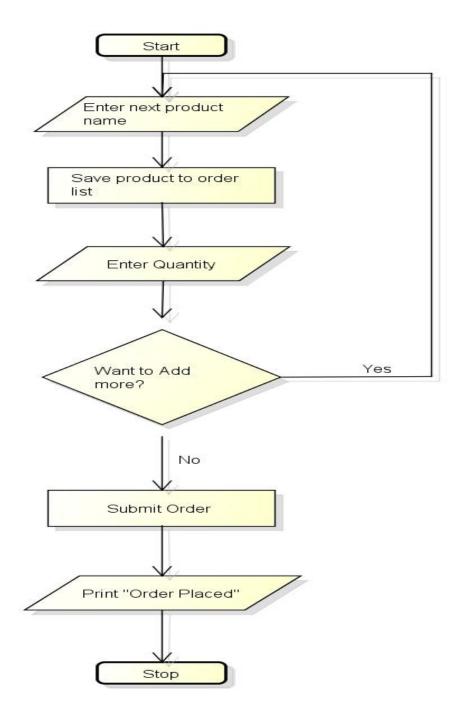
- View product details alongside category and services.
 Place new and manage old orders.
 View product schemes.
 - Create and view transactions with customer.
 - Manage account details.

4.3 **Program Specifications / Flow Charts:**

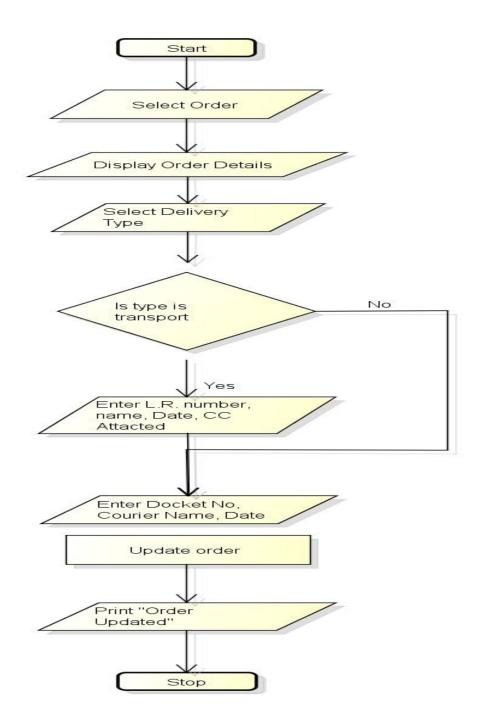
Dealer Addition:



Order Placement:



Order Status Change:



Drawbacks & Limitations:

The system is developed as per customer requirements.

However, as it is a "system", it is having some limitations.

These limitations as listed below are proposed to be surmounted in future upgrades.

- ³⁵ Cannot print bill details for orders and transactions.
- ³⁵ Cannot maintain transactions with vendors.
- Doesn't have online spot tracking system for transportation.
- Not capable for online financial transactions.

Proposed Enhancements:

The proposed enhancements for this system are stated by keeping in mind the limitations of system.

- Increase scope to maintain company-vendor transactions.
- Provide online bill payment service.
- Avail bill printing service.
- Enhance system to able to online spot tracking of transportation.

Conclusions:

- The whole system is developed as per customer requirements.
- Customer found the system helping users providing efficient workflow, low manual work, less error prone as expected.
- The system is bug free as per testing standards are implemented.
- The system is providing an easy, understanding and secured environment for business transactions and company data.
- The limitations of system are supposed to overcome in future upgradations.

Bibliography:

Books references:

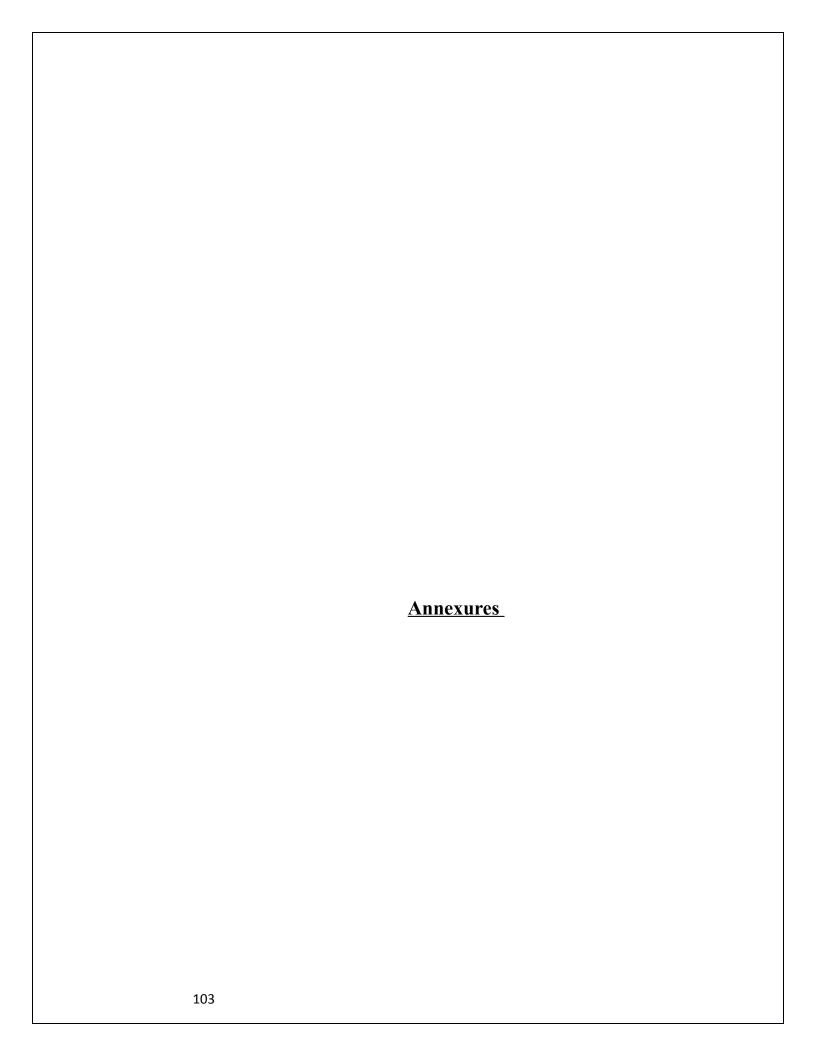
- ³⁵ Jquery Novice to Ninja Earle Castledine and Craig Sharkie
 - Professional CodeIgniter Thomas Mayer
 - CodeIgniter 1.7 Professional Development –

Adam Griffiths

Php Pocket Reference – Rasmus Lerdorf

Web References:

- www.tutorialspoint.com
- www.w3school.com
- www.jquery.com



Annexure 1: User Interface Screens

Home Page:



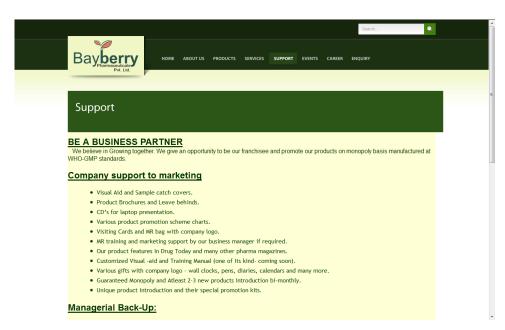
About Us:



Services:



Support:



Events:



Career:



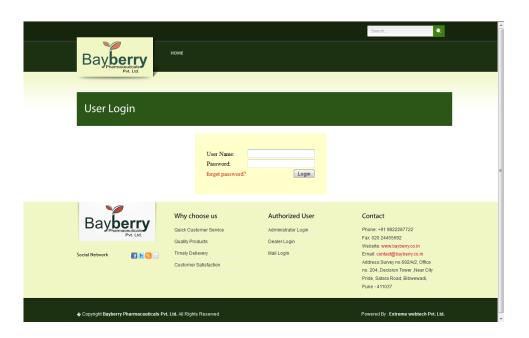
Career Mail:



Enquiry:



Login:



Admin Home:

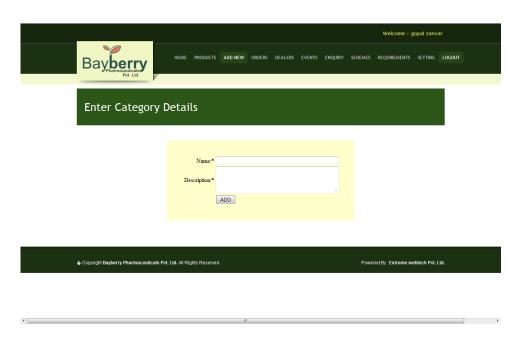


110

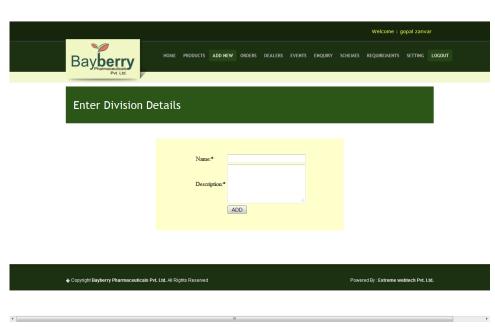
Add Product:



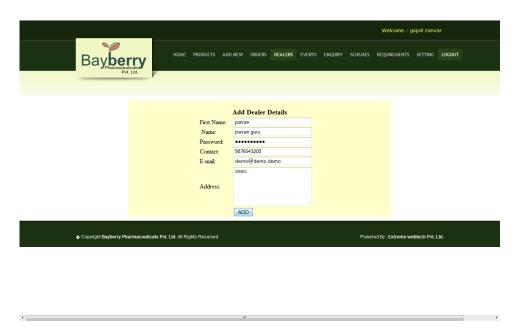
Add Category:



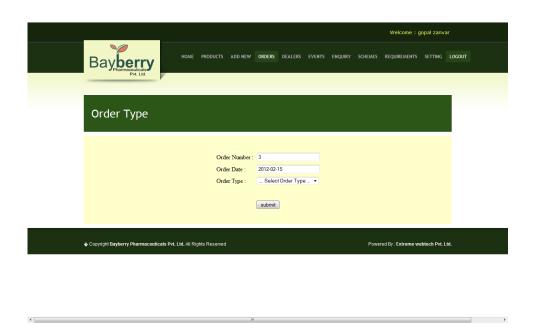
Add Division:



Add Dealer:



Update Order:



Order via Transport:



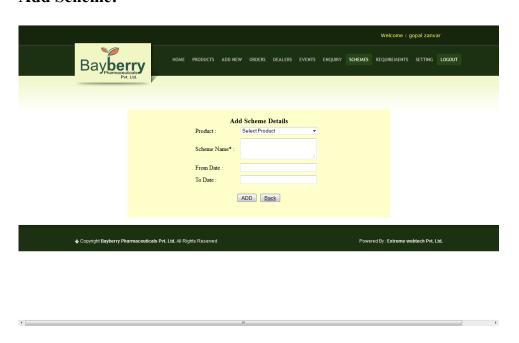
Order via Courier:



Add Event:



Add Scheme:



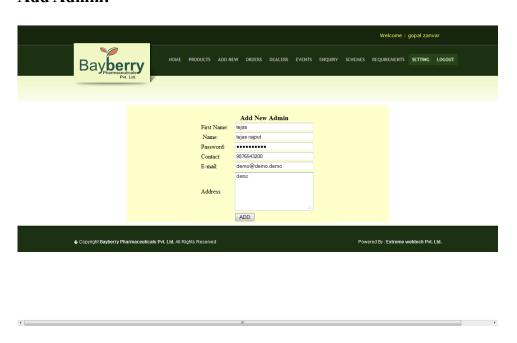
Add Requirement:



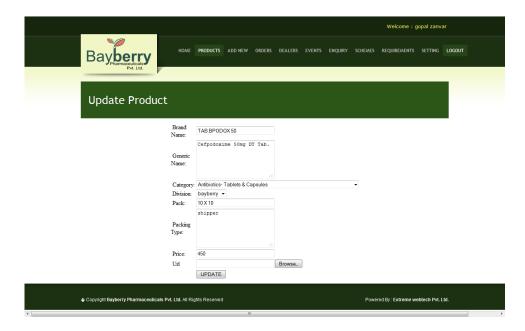
Change Password:



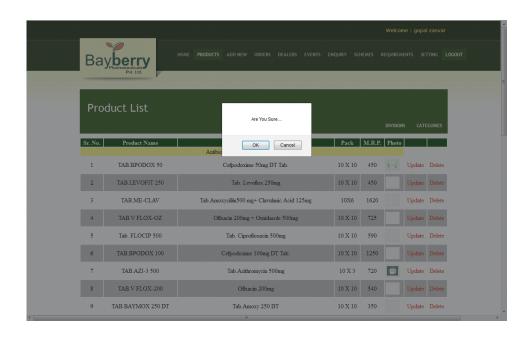
Add Admin:



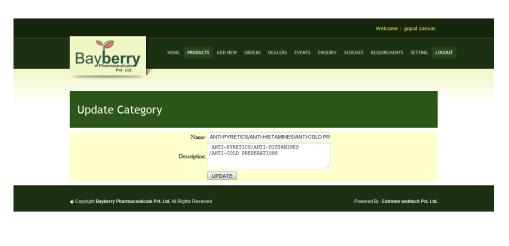
Update Product:



Delete Product:



Update Category:



120

Update Division:



Update Inventory:



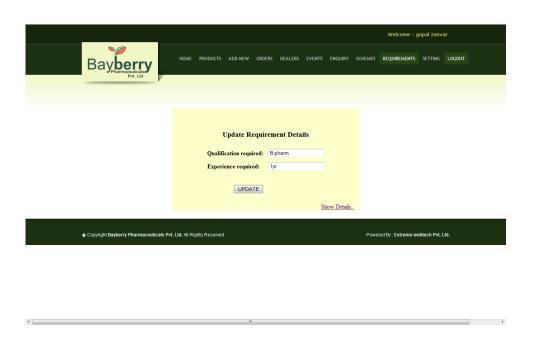
Update Dealer:



Update Scheme:



Update Requirement:



Dealer Home:



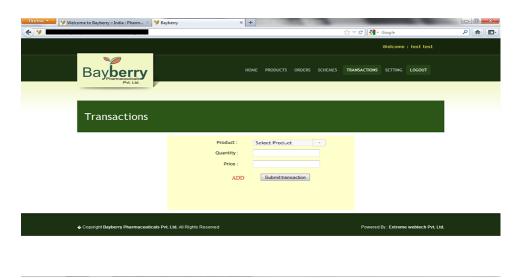
New Order:



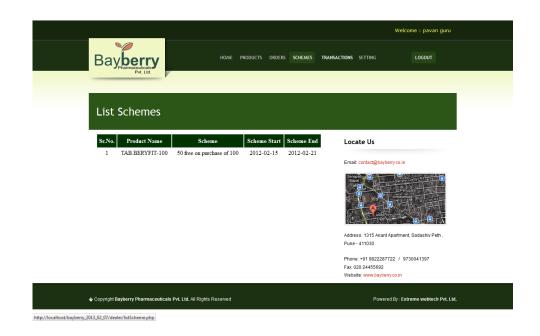
Order Status:



New Transaction:



Schemes:

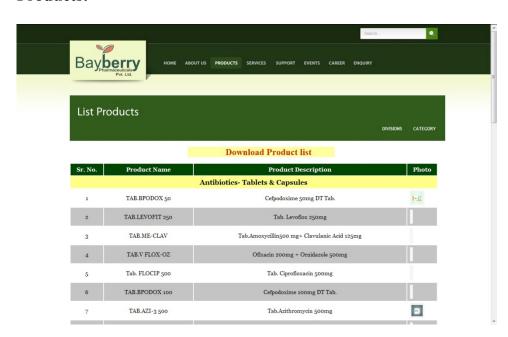


Change Password:

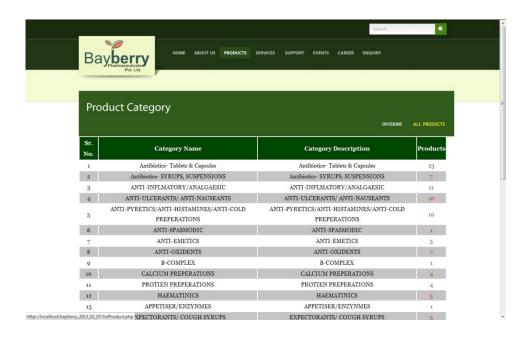


Annexure 2: Output Reports

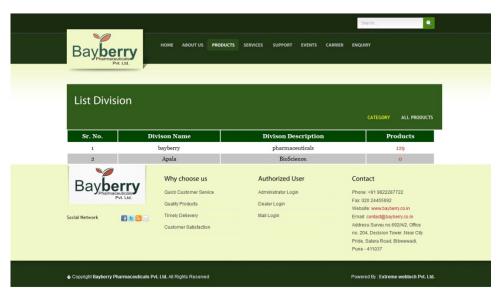
Products:



Category:

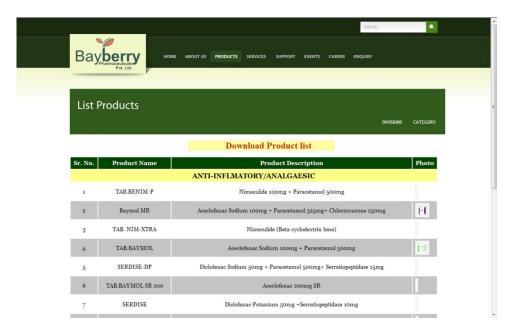


Division:

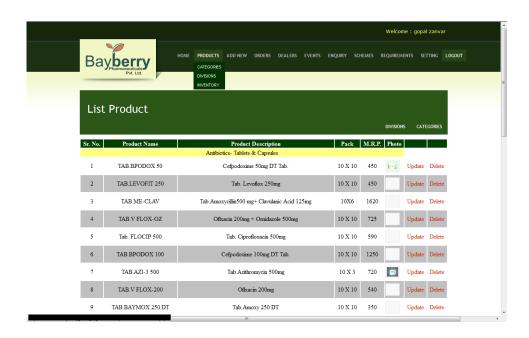


http://localhost/bayberry_2013_02_07/listCategory.php

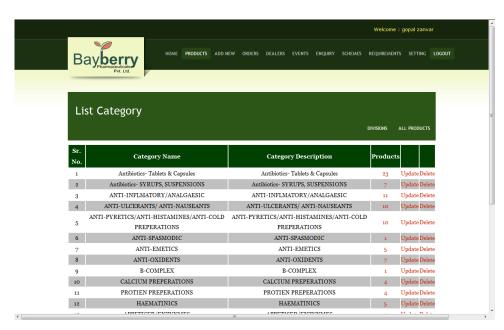
Category wise Products:



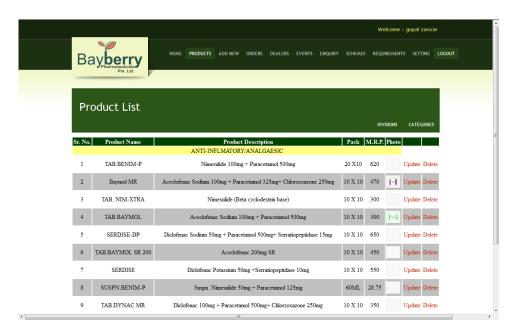
Admin Products:



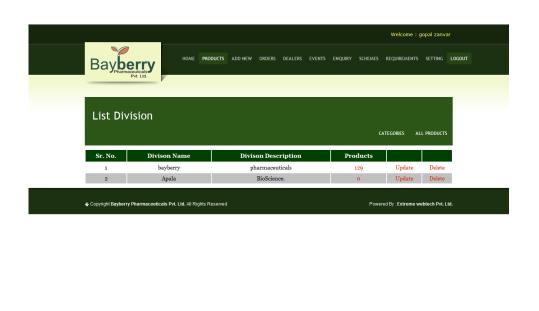
Admin Category:



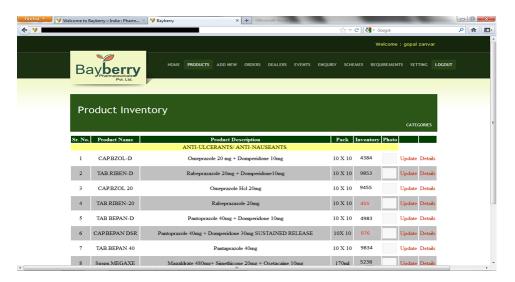
Category wise product:



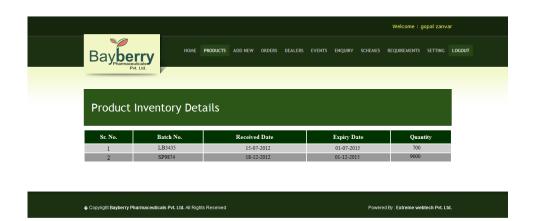
Division:



Product Inventory:



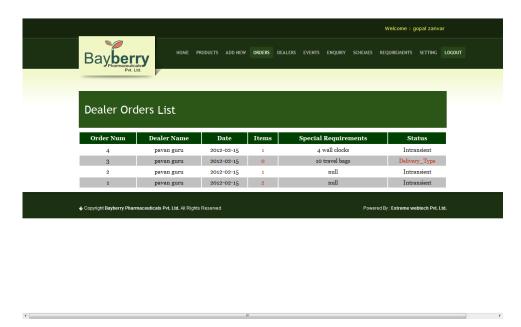
Product Inventory Details:



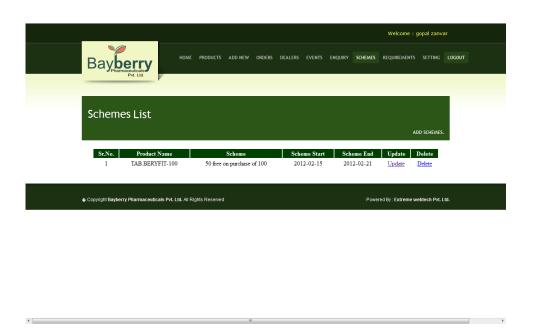
Dealer List:



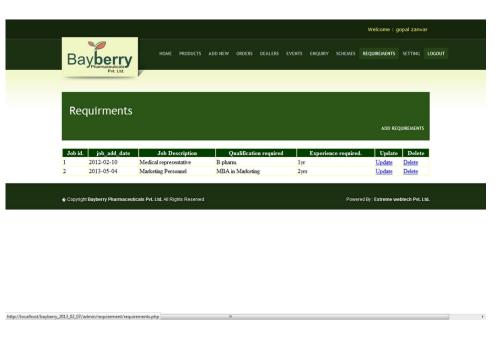
Order List:



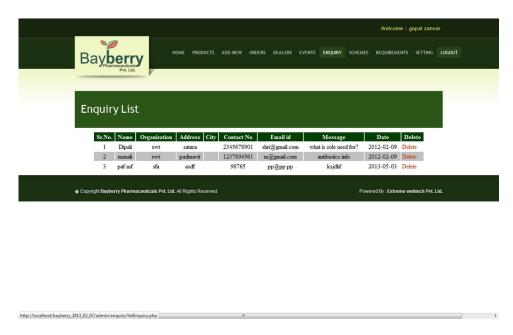
Schemes:



Requirements:



Enquiries:



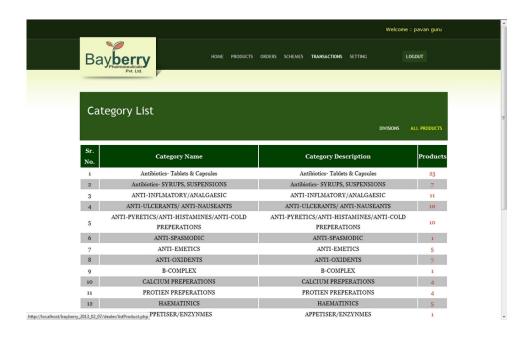
Events:



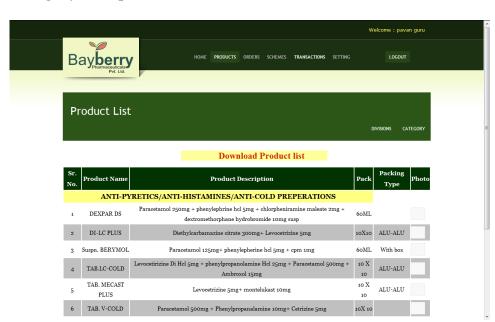
Dealer Product:



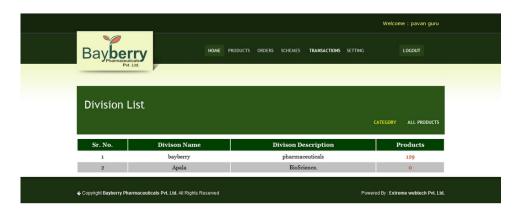
Dealer Category:



Category wise product:



Division:



http://localhost/bayberry_2013_02_07/dealer/listCategory.php

Old Orders:



Old Transactions:



