



STOCK MANAGEMENT SYSTEM

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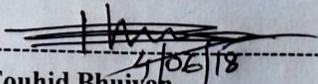
This project report has been submitted in fulfillment of the requirements for the Degree of Bachelor of Science in Software Engineering.

Department of Software Engineering
Daffodil International University
Summer – 2017

APPROVAL

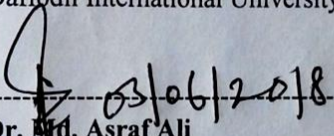
This Project titled "Stock Management System", submitted by Md. Ferdous Rahman, ID:141-35-583 and Swaran Dip, ID:141-35-593 to the Department of Software Engineering, Daffodil International University has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of B.Sc in Software Engineering and approved as to its style and contents.

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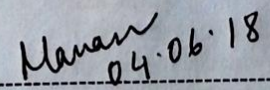
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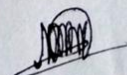
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DECLARATION

We hereby declare that, this project Report has been done by us under the supervision of Md. Mushfiquir Rahman, Lecturer, Department of Software Engineering, Faculty of Science and Information Technology, Daffodil International University. We also declare that neither this report nor any part of this report has been submitted elsewhere for award of any degree.

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ACKNOWLEDGEMENT

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ABSTRACT

The main purpose of the Stock Management System is to automate the current manual stock management system and to reach wider range of users in market place. One more purpose is to allow salesman to request product online using interactive menu bar so that they can order from anywhere. The proposed system will allow them to place request quickly and easily. This reduces the time consumption. In future the “Stock Management System” will be developed to reduce the manual work carried out by general users or customers to collect their goods from the store. This project helps the user or dealer to know all the order details in few seconds. Our strategic goal is to provide high quality technology solutions that provide practical cost effective and easy solutions to the customers who want to get their products easily.

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Chapter One

INTRODUCTION

1 INTRODUCTION:

The main purpose of the “Stock Management System” is to make an easy system for the dealer and salesman to place order their items/products to reach to wider range of customers. One more purpose is to allow dealer to get all product stock and supply details online and give salesman to their sales status. This reduces the time consumption.

1.1 Motivation:

The “Stock Management System” system is to be developed to reduce the manual work carried out by stake holders to order their items online and get the status of the item. This is effective for market place. This project helps the dealers to know all the product request details in few seconds. Salesman easily request product for their need.

1.2 Current System:

The “Stock Management System” is one of the latest servicers mostly western world are adopting. With the method all the product is posted online and salesman can request for product and get the sales status.

1.3 About the Project:

Here this is started clearly that which segments of the stakeholder will be benefited after the system will be implemented.

Benefits from the Stock Management System;

1. Easy showcasing for their item.
2. Easily promoting products.
3. Online presence of good quality products.
4. Opportunities for launching new product and sell them.
5. It provides wide range of certain criteria in each window the dealer is working for better and quicker solution.
6. It maintains status for all criteria and procedure.
7. Stores information about regular products.
8. Sales status will help salesman to improve performance.

1.4 Objective:

Time Effective and Cost Effective:

This system will be available to dealer and salesman. This system saves a lot of time of the users in a very little span to the registered user. This plan cost offered in economic too.

Database Creation:

A database of the registered users will be created and this will help the users to fetch the details of recent products as per requirements. There is a database for administrator for updating the site. All products information will briefly describe in the database.

Mobility:

Internet is available to everybody anywhere anytime here, this makes the site highly in mobile as well as in desktop site, this system will be understood easily and used easily for users.

Informative:

The site has all the necessary details about the concerned property and materials hence, provide all the relevant information therefore. For example, searching of appropriate property has done, and then the information of purchasing is provided to the registered salesman and able to give the products which are available in this system, so this system is helpful and a details store of dealer shop.

Wide Approach:

Any authorized person can visit this site. User can login with their password credentials. Therefore it has a wide range of users. An unauthorized person can't able to enter this site by authentication and there will be available some fixed salesman and a dealer.

Security:

Proper authorization and authentication provisions have been made for the security of the site so that only the registered user can look the special details. Without proper login no one is allowed to access the special offer list of this site. Dealer and salesman have own account for this site and by this account this users can enter this site and handle their procedure by this system, it might be helpful for those users and other thing is that system security will keep safe by own.

Flexible:

The site is flexible to any expansion or contraction in the future. For example, sending email confirmation to the email as well as through message after the registration. If new property added on the website, the message alert will be available for mobile users. Product stock information will be available by the message, if dealer stock empty, this site will generate a message and will send to the dealer for confirmation and all confidential information will not be opened in front dealer's employee. This is our goal of this project.

1.5 Schedule and Planning:

Software development plan with target time is given below:

Phase	Start Date	Planned Submission Date	Working Days
Proposal	27 Oct 2017	12 Nov 2017	16days
Requirements collection	20 Nov 2017	15 Dec 2017	25days
Requirements Analysis	08Dec 2017	29 Dec 2017	21days
Software Requirements Specification	03 Jan 2018	25 Jan 2018	23days
Project Plan	30 Jan 2018	15 Feb 2018	16days
Prototype Implementation	20 Feb 2018	01 Apr 2018	9days
Testing & Result	05 Apr 2018	20 Apr 2018	15days
Total Working Days = ...days	27 Oct 2017	20Apr 2018	125days

Table 1.1: Schedule and Planning

1.6 Project Deliverable:

- Automate the current manual Stock Management System and maintain a searchable user and product database, maintain data security and user rights.
- Dealer is able to view the entire Salesman and their sales details. And able to give a status to their performance. And salesman will be able to view their collection status.
- To enable dealer to view salesman product requirements and can see product stock details.
- To provide information about the products, the product type, the urgency at which a salesman wants the product and quantity in terms of pairs needed.
- To compare the total cost depending on the selected products, quantity and duration and avails that information to the salesman (This feature not completed).

Chapter Two

REQUIREMENTS SPECIFICATIONS

2 Requirement Specifications:

This system will be used for the people who actually like to order their product online and remain stress free for the delivery status.

The main advantage of this system is that it greatly simplifies the ordering process for both the salesman and the admin. Once an order is placed on the webpage that will be designed, it is placed into the database and then retrieved, in pretty much real time, by a desktop application on the admin end.

Within this application all items in the order are displayed, along with their corresponding options and request details.

2.1 Product Perspective:

The Stock Management System is one of the latest services mostly our country is adopting. With this method all item is posted by admin and ordered online and delivery status will be sent to salesman.

So the system designed in this project will enable the salesman go online and place order for their product.

Due to the great increase in the awareness of internet and the technologies associated with it, several opportunities are coming up on the web.

So many businesses and companies now venture into their business with ease because of the internet. Until now most of this delivery orders were placed over the phone, but there are many disadvantages to this system.

It is possible for anybody to order any products via the internet and have the goods delivered at their doorsteps.

In whole day how much employee sale and entry products that can see by the dealer in anywhere, here is a new procedure may add in this system is product verification because this time many products have same name but company names are different.

This is not good for any company because of quality, for this reason this will be needed for this system and as well as dealer.

This will be clarification for all products and verification for original products. On the other hand dealer's staff will be honest in their working method and management system will be fare enough for dealer.

This system will be effective for the dealer who has a big product list and procedures. This is the future plan of our system and we believe we will able to implement this system as soon as possible.

2.2 Functional Requirements:

This section outlines the use case for active actors. The user, the administrator has big role in this system.

2.2.1 Use Case Diagram:

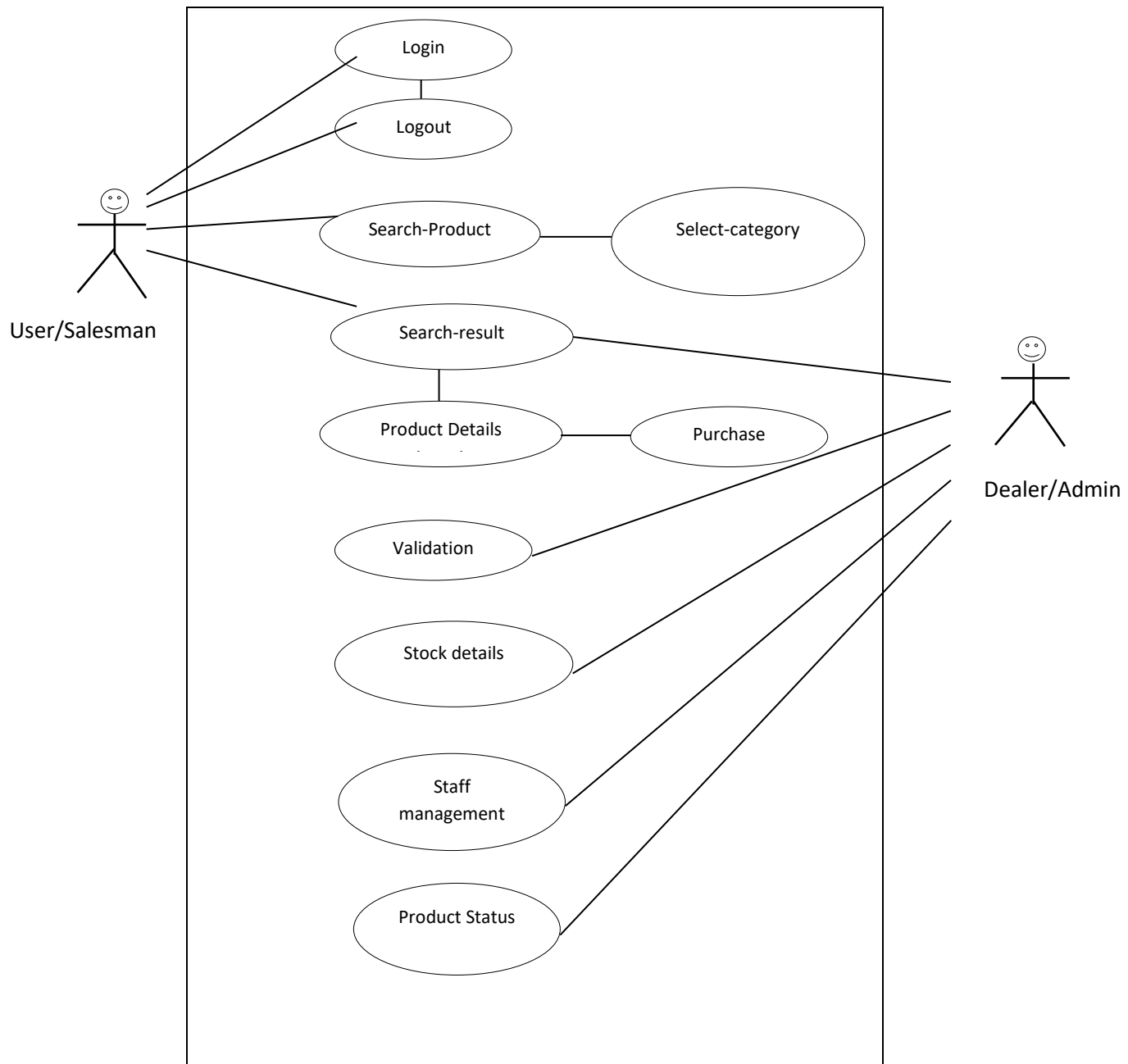


Figure 2.1 Use Case Diagram.

2.3 Non-functional requirements:

2.3.1 Performance Requirements:

Server software does not require any special hardware other than the minimum hardware required for running enterprise OS, PHP, MySQL database. Extra disk storage will be required for archives and electronic documents. Increase of memory enables efficient query processing, which is required for quick bibliographic search.

At least one backup server with same configuration as in main server is also recommended for fault tolerance and better performance.

Separate storage (with backup) for database, electronic document. Multiple computing nodes with the storage are required for high availability and to enhance the performance of the application. Again after a certain period the preliminary files and other files related with that can be deleted manually from the database to increase the performance.

2.3.2 Safety Requirements:

As per safety rules the server is should be placed in safe place.

2.3.3 Security Requirements:

The Stock Management System security model is based on the concept of roles. The validation class is responsible for ensuring security in interactions between the client browser and the web server. It handles login and logout requests, generates password hashes, and provides many useful shortcut functions for security and validation related issues.

The validation class is the preferred means of access for these features. The validity of user requests is checked both at the user interface level and in associated page class. For example, if a user is not allowed to click on a particular button, it will be disabled in HTML by the default template. If the user attempts to circumvent this and submits the button click anyway, the page class receiving the former request will ensure that it is ignored.

2.4 User characteristics:

2.4.1 Owner:

The Stock Management System owner is responsible for setting up the management website, configuring the system options, and managing the user accounts. This does not involve any advanced technical skills, but entails filling out web-based forms and uploading files.

The owner also maintains the staffs, payment system, users, and layout editors. Alternately, if the names and email addresses of potential users already exist in another database they can be imported into the system. The owner also has access to the other management features, and edits the default email, manage the reading tools, and view statistics and reports and more.

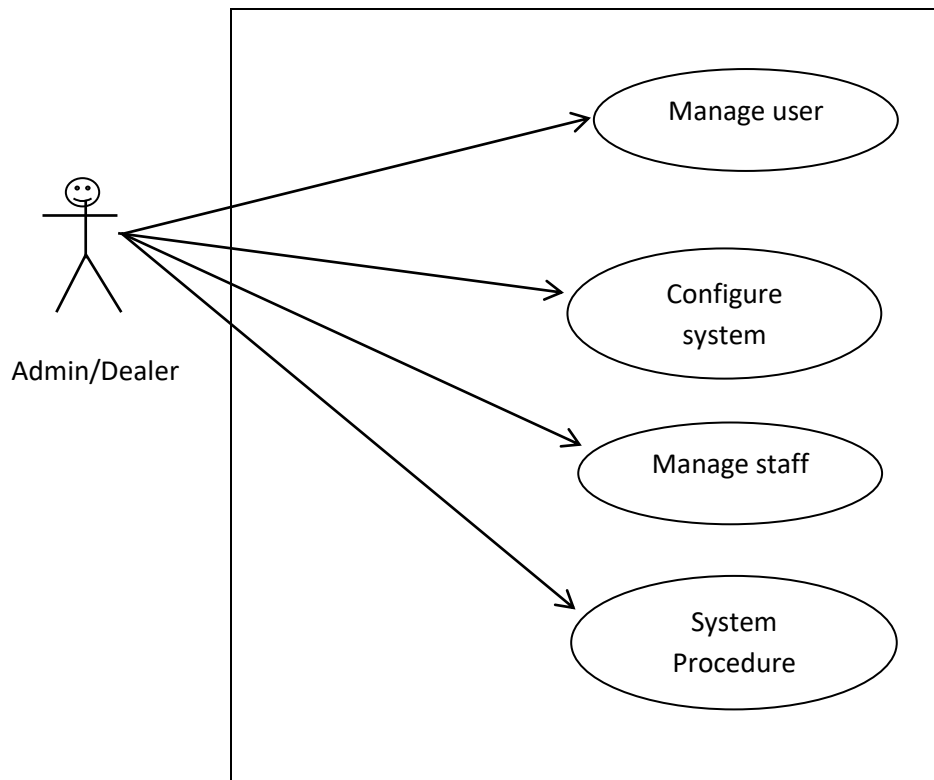


Figure 2.2 Use Case Diagram of Owner

2.4.2 Salesman:

The salesman's role is the simplest role in Stock Management System, and has the fewest capabilities. They choose to order for product. Registered salesman receives a notification email with the completion of product issue.

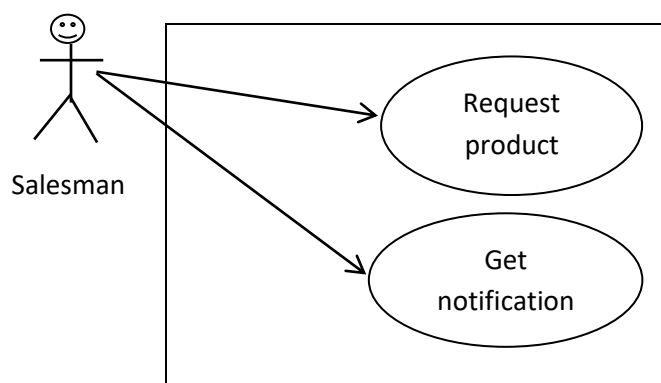


Figure 2.3 Use Case Diagram of Salesman

2.5 Activity Diagrams:

2.5.1 Login Activity:

The user accesses the website enter username and password for login process and get welcome message for valid details.

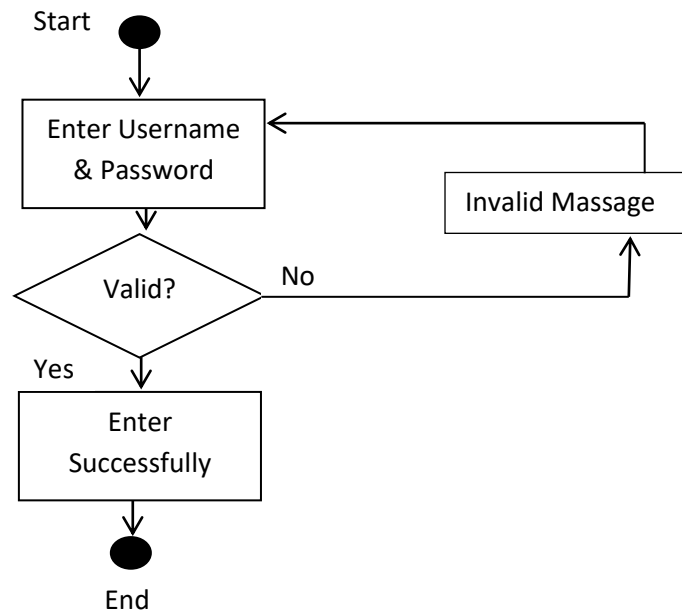


Figure 2.4 Login Activity Diagram.

2.5.2 Post Submission Activity:

After login, user enters details correctly and submits a new post.

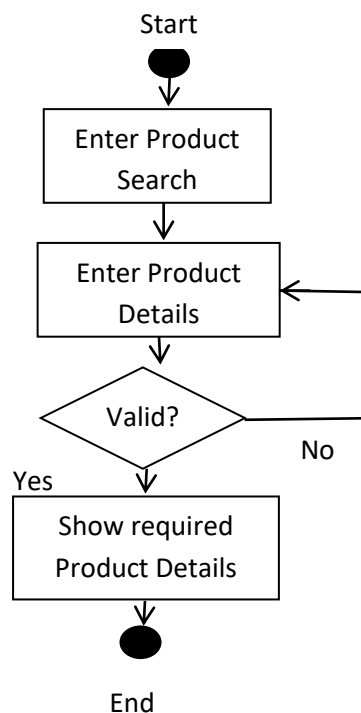


Figure 2.5 Post Submission Activity Diagram

2.5.3 New Product Add Activity:

After login admin select new Product and enter details to add new Product.

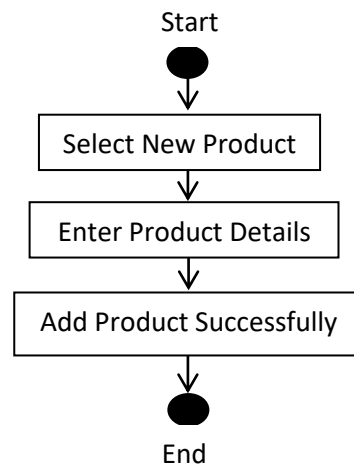


Figure 2.6 New Product Add Activity Diagram

2.5.4 Product Request Submission Activity:

After login user select Product Request submission and enter details to add new Product.

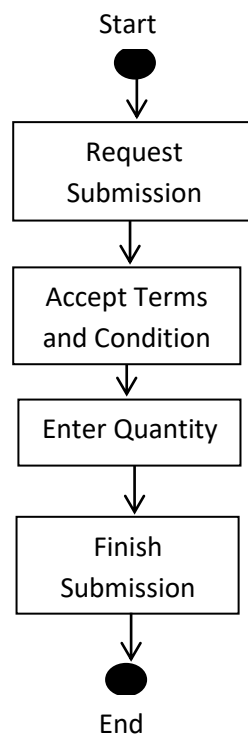


Figure 2.7 Product Request Submission Activity Diagram

2.5.5 Salesman Add Activity:

After login, to add new salesman select add salesman and enter salesman details and finish the process.

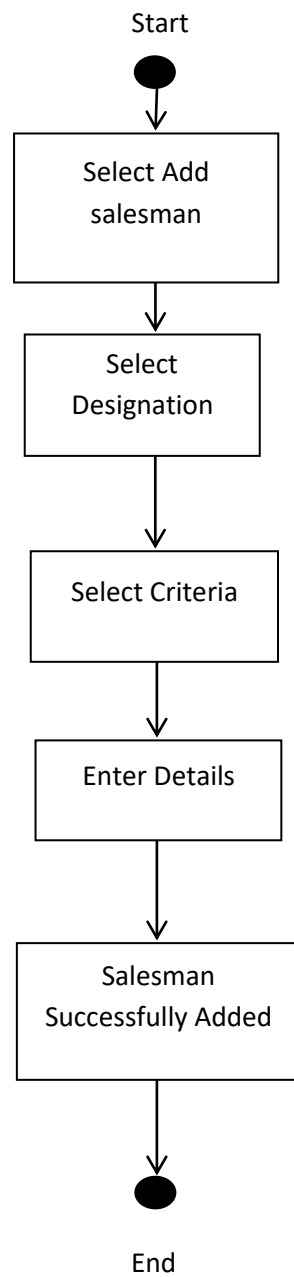


Figure 2.8 Salesman Add Activity Diagram

2.6 Sequence Diagram:

This is the Stock Management System sequence diagram. This is the UML sequence diagram of Stock Management System which shows the interaction between the objects of stock, product, salesman, dealer, and quantity. The instance of class objects involved in this UML Sequence Diagram of Stock Management System is as follows:

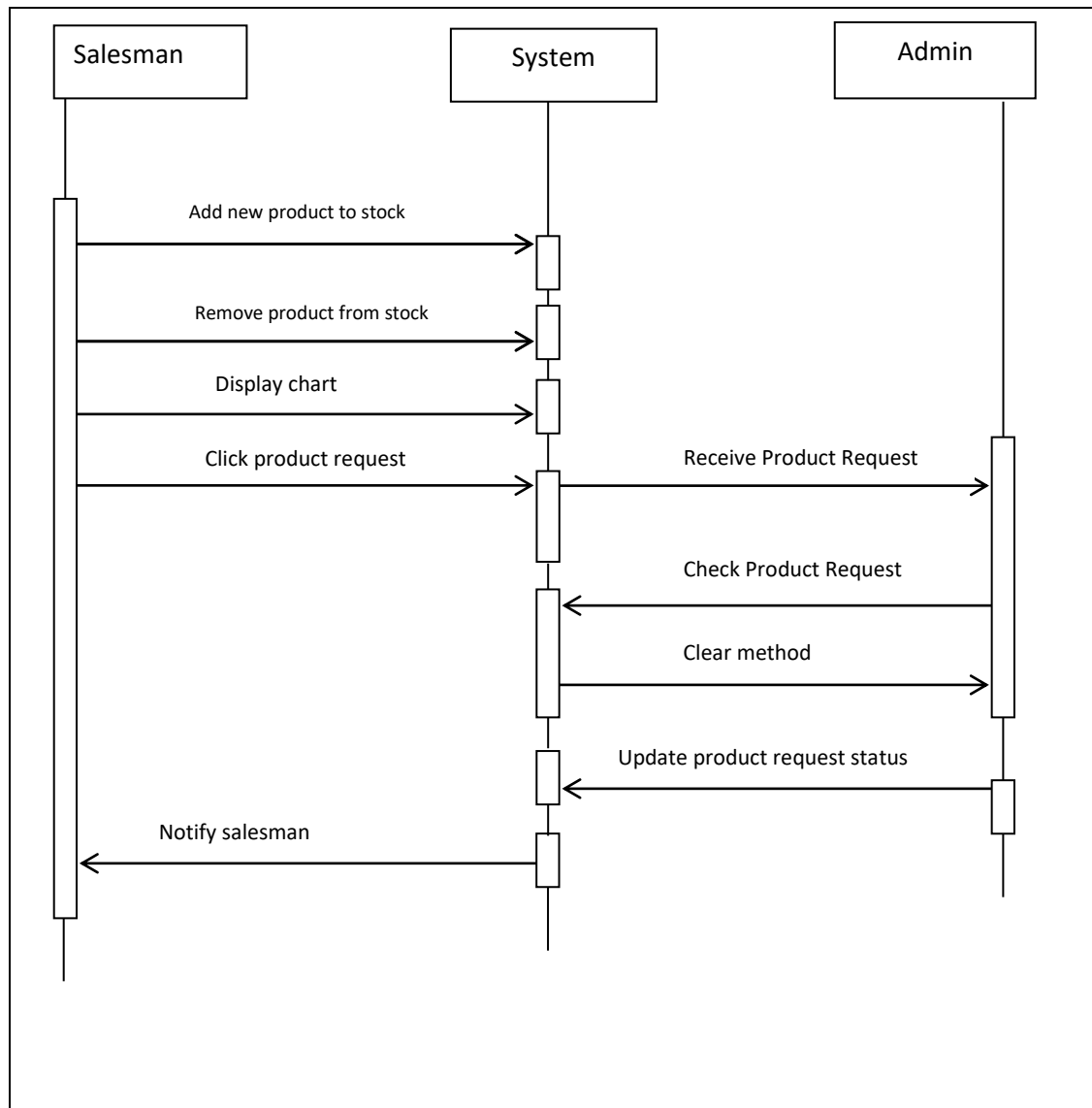


Figure 2.9 Sequence Diagram.

2.7 Data Flow Diagram (DFD):

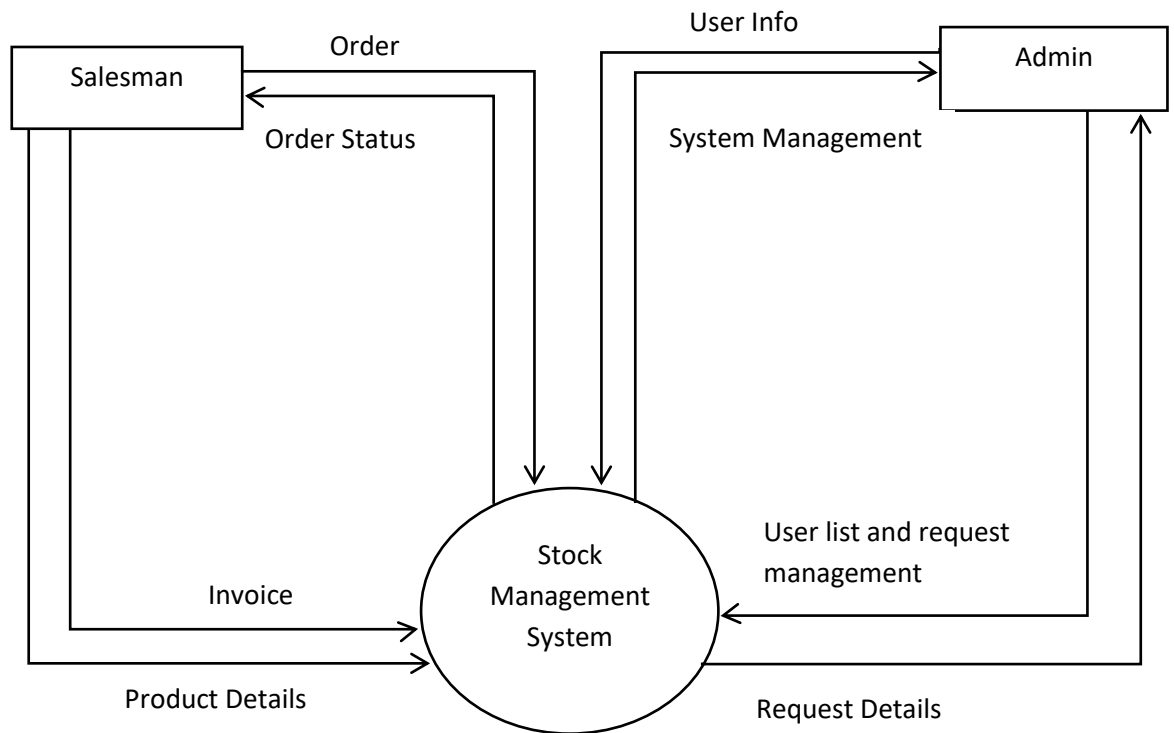


Figure 2.10 Data Flow Diagram (DFD)

2.8 Assumption and Dependencies:

2.8.1 Data Entry:

Though the data entry operation is out of the scope of Stock Management System, but for giving it a standard look our team has added some meaningful data to check the compatibility of the system.

Supply of correct information is possible only when valid data is entered in the database. Since the data entry is a separate task and will be performed by the authority, the authority will be responsible for the validity of the information to be provided to the user through online system.

2.8.2 Server/Hardware Performance:

Stock Management System project team is not responsible for providing servers or hardware. However, the performance of software sometimes depends on the hardware or server machine in which it is running.

2.8.3 Browser Dependency:

The Stock Management System will be compatible with any JavaScript enabled open standard browsers, and it will also support Internet Explorer, Mozilla Firefox (any last version) and other compatible browsers.

2.9 Class Diagram:

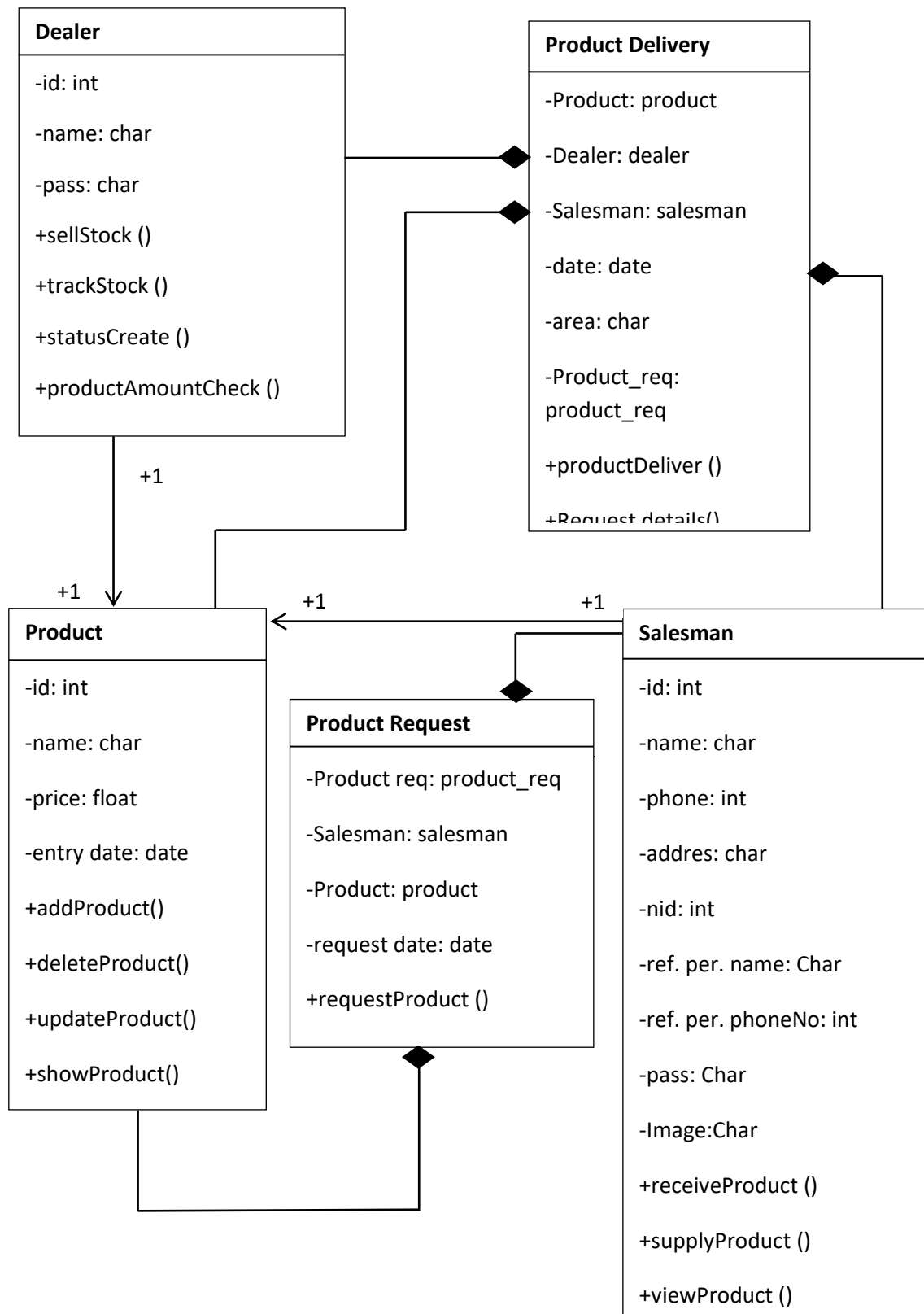


Figure 2.11 Class Diagram

2.9 Database Design:

This Stock Management System has a simple database called dealer_buddy and it has five tables to contain all information. Product, Dealer, Salesman, Dealer_product_entry, Product_request are the tables that are used to hold information.

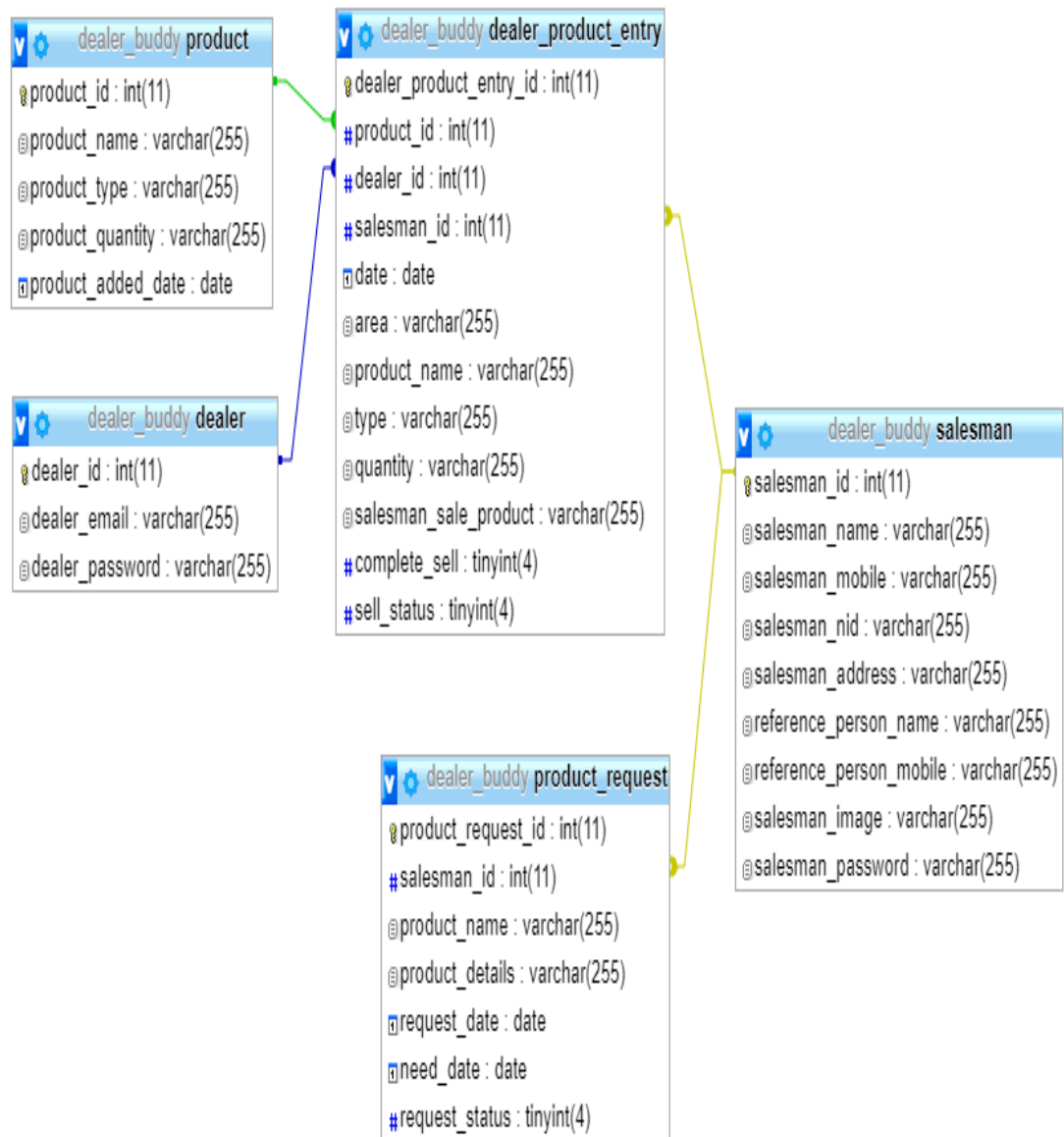


Figure 2.12 Database Design Diagram

Chapter Three

DESIGN & DEVELOPMENT

3 Design And Development:

3.1 Application Interface Design

3.1.1 Multiple Features:

Stock Management System is a complete solution for this manual system. It helps to manage all request/sales, dealer, employee, so one can keep things organized. It allows keep track of products are need and orders and also let you send email when work is done as well as show notification for them.

The features of the system are following:

- Registration.
- Login.
- Logout.
- Product request.
- Product Stock List
- Order Management.
- Product Information.
- Salesman Information.
- Salesman Sales Status.

3.2 Design and Implementation Constraints

3.2.1 Software Language or Framework:

The design of Stock Management System is heavily structured for maintainability, flexibility and robustness. For this reason it may seem complex when first approached.

Data storage and representation, user interface presentation, and control are separated into different layers. The major categories, roughly ordered “front-end” to “back-end” follow:

- Bootstrap templates: which are responsible for assembling HTML pages to display to users.
- Page classes: which receive requests from user’s web browsers, delegate any required processing to various other classes, and call up the appropriate template to generate a response.
- Action classes: which are used by the page classes to perform non-trivial processing of user request.
- Model classes: which implement PHP objects representing the systems various entities.
- Support classes: which provide core functionalities, miscellaneous common classes and functions etc.

Again for the PHP codes there are some formations and standards we maintain. Those are given below:

- Wherever possible, global variables and functions outside of classes should be avoided.
- Symbolic constant, mapped to integers using the PHP define function, are preferred to numeric or string constants.
- Filenames should match class names.
- Class names and variables should be capitalized as follows: class names use Camel Case, and instances use lower Camel Case.
- Whenever possible and logical, the variable name should match the class name.
- Class names and source code filenames should be descriptive and unique.
- Output should be restricted as much as possible. A valid situation in which PHP code should output a response is when HTTP headers are necessary.

3.2.2 File management:

As files are stored on the server files system, rather than in the database, several classes we need to manage this file system and interactions between the file system and the root of the system. These classes can be found in the classes/file directory.

File manager classes provides the necessary basic functionality for interactions between the web server and the file system.

3.3 Development Tools and Technology:

Stock Management System is written in object-oriented PHP using the bootstrap template for user interface and data is stored in MySQL database.

- Adobe Photoshop & Illustrator.
- IDE: Sublime Text 3.
- Database: MySQL.
- UI/UIX: HTML, CSS, Bootstrap, JavaScript.
- Back-End: PHP (CodeIgniter 3.5).
- Web-Server: XAMPP Server.

Chapter Four

TEST PLANS

4 Test Plan

4.1 Testing Features:

4.1.1 Features to be tested:

For this project we are going to test below features:

1. Login.
2. Logout.
3. Hardware.
4. Add new product.
5. Add salesman.
6. Sent product request.
7. Checkout method.

4.1.2 Features not to be tested:

The features which will not be tested is given below:

1. Security issues.
2. Products delete.
3. Salesman info.

4.2 Testing Strategies:

4.2.1 Test Approach:

Test plan is one of the standard documents that should be produced in most software project. If the project does not have any test plan this means that the software proves not qualify. This means not be acceptable to the user since it will not satisfy their needs.

4.2.2 Test category:

- Module Testing.
- System Testing.
- Integration Testing.

4.3 Testing Environment (hardware/software requirement):

For test environment, key area to set up includes

- System and applications.
- Test data.
- Database server.
- Front end running environment.
- Client operating system.
- Browser.
- Hardware includes server operating system.
- Network.
- Documentation required like reference documents/configuration guides/installation guides/user manual.

4.4 Test Cases:

4.4.1 Integration Testing Case Module:

Test Case ID.1	Module name: Login
Module: User Login Module	Test Designed: Ferdous Rahman
Test Priority: (Low/Medium/High): High	Test date: 11..02.2018
Test Title: Verify login with valid username and password	Test executed by: Ferdous Rahman
Description: Test login page	Test executed date : 14.02.2018

Table 4.1: Integration Testing Case Module

Pre-condition: user must have valid username and password.

Test case 1	Test login page
Test steps:	1. Go to login page 2. Provide valid Username 3. Provide valid Password 4. Click login button
Test data:	Username:xxxxxx@gmail.com Password: 123456
Expected results:	User should able to login
Actual result:	User successfully logged in
Status(pass/fail):	pass

Table 4.2 Integration Testing Case Module

Post condition: successfully logged in.

4.4.2 Unit testing case module:

Test Case ID.2	Module name: product add
Module: product add test	Test Designed: Ferdous Rahman
Priority: (Low/Medium/High): High	Test date: 13.02.2018
Test Title: Product add test	Test executed by: Ferdous Rahman
Description: Test product add page	Test executed date : 17.02.2018

Table 4.3 Unit testing case module

Pre-condition: User must have logged in to add product

Test case 2	Product Add Testing
Test steps:	1. User logged in 2. Click Add Product 3. Provide require information 4. Click Add button
Test data:	Product Name: xxxxxx Product company: xxxx Product quantity: 0000
Expected results:	Product add successful
Actual result:	product successfully added
Status(pass/fail):	pass

Table 4.4 Unit testing case module

Post conditions: successfully added new product.

4.4.3 System Testing Case Module:

Test Case ID.3	Module name: Hardware
Module: Hardware and system check	Test Designed: Ferdous Rahman
Priority: (Low/Medium/High): High	Test date: 17.02.2018
Test Title: Test the Hardware and system	Test executed by: Ferdous Rahman
Description: Hardware and system check	Test executed date : 23.02.2018

Table 4.5 System Testing Case Module

Pre-condition: valid user info required.

Test case 3	Hardware and system check
Test steps:	1. Enable interface logging 2. Run a correct or incorrect authentication 3. Chose the user account 4. Enter password
Test data:	Username:xxxxxx@gmail.com Password:123456
Expected results:	User should able to login
Actual result:	User successfully logged in
Status(pass/fail):	pass

Table 4.6 System Testing Case Module

Chapter Five

USER MANUEL

5 User Manual

5.1 Home Page:

In this page there are two login options for dealer or admin and salesman or user.



Figure 5.1 UI(Home Page)

5.2 Dealer Login:

This is a login for dealer or admin to access full system. For login dealer must have to use email address and password.

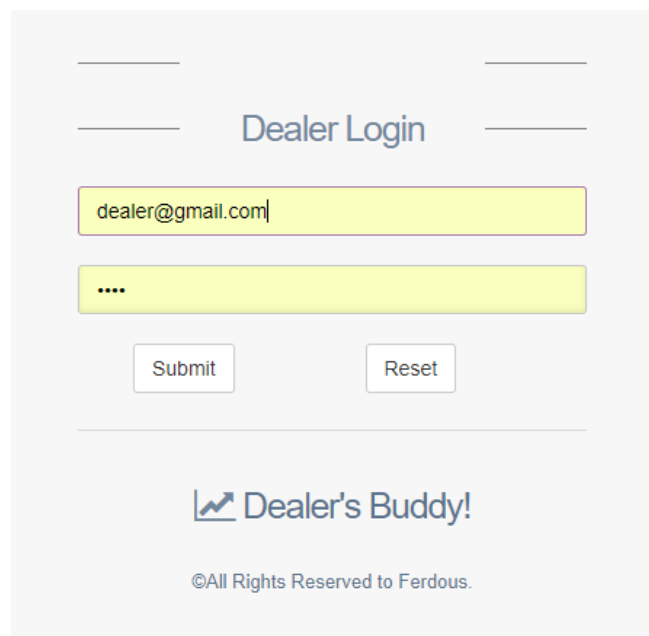
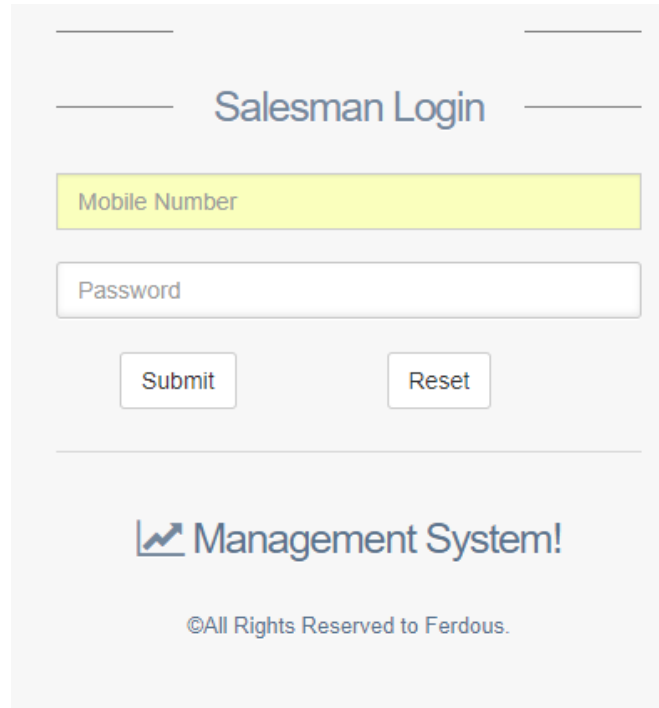


Figure 5.2 UI(Dealer Login)

5.3 Salesman Login:

This is a login for salesman or user to access full system. For login salesman must have to use phone number and password.

The image shows a web form titled "Salesman Login". It features two input fields: "Mobile Number" with a yellow background and "Password" with a white background. Below these fields are two buttons: "Submit" and "Reset". At the bottom of the form, there is a logo consisting of a blue line graph icon followed by the text "Management System!". Below the logo, a copyright notice reads "©All Rights Reserved to Ferdous.".

Mobile Number

Password

Submit Reset

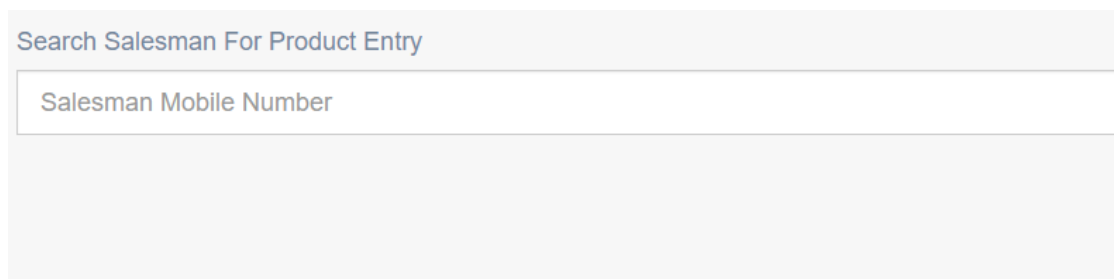
Management System!

©All Rights Reserved to Ferdous.

Figure 5.3 UI(Salesman Login)

5.4 Find Salesman:

For search an individual salesman dealer have to use mobile number of salesman to find all his details.

The image shows a web form titled "Search Salesman For Product Entry". It features a single input field labeled "Salesman Mobile Number".

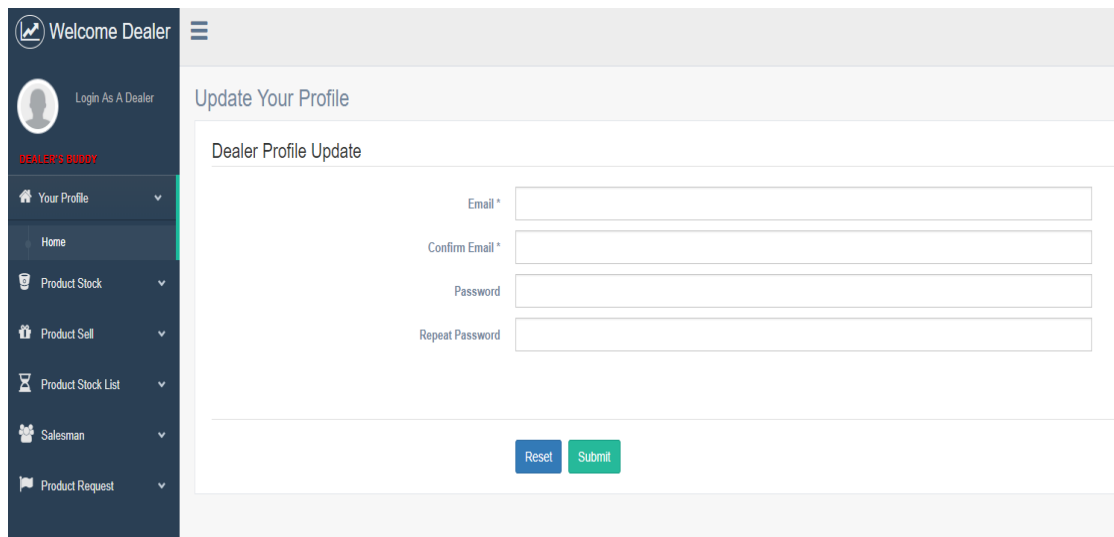
Search Salesman For Product Entry

Salesman Mobile Number

Figure 5.4 UI(Find Salesman)

5.5 Dealer Page:

After login dealer will get all the features to access all fields.

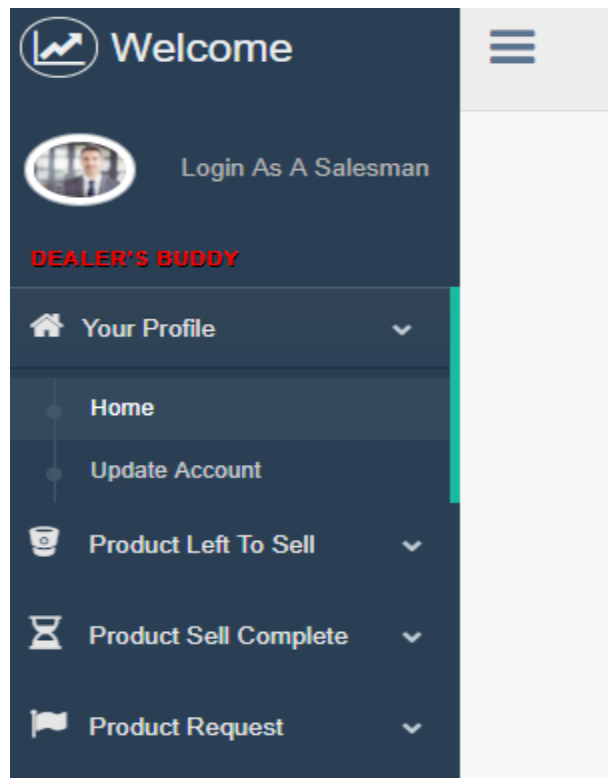


The screenshot shows the 'Update Your Profile' section of the Dealer's Buddy application. On the left is a dark blue sidebar with a 'Welcome Dealer' header, a 'Login As A Dealer' button, and a list of menu items: 'Your Profile' (selected), 'Home', 'Product Stock', 'Product Sell', 'Product Stock List', 'Salesman', and 'Product Request'. The main content area is titled 'Update Your Profile' and contains a 'Dealer Profile Update' form. The form has four input fields: 'Email *', 'Confirm Email *', 'Password', and 'Repeat Password'. At the bottom of the form are two buttons: 'Reset' (blue) and 'Submit' (green).

Figure 5.5 UI(Dealer Page)

5.6 Salesman Page:

After login salesman will get all the features to access of his fields.



The screenshot shows the 'Update Your Profile' section of the Dealer's Buddy application for a salesman. The sidebar is dark blue with a 'Welcome' header, a 'Login As A Salesman' button, and the text 'DEALER'S BUDDY'. The menu items are: 'Your Profile' (selected), 'Home', 'Update Account', 'Product Left To Sell', 'Product Sell Complete', and 'Product Request'. The main content area is titled 'Update Your Profile' and contains a 'Salesman Profile Update' form. The form has four input fields: 'Email *', 'Confirm Email *', 'Password', and 'Repeat Password'. At the bottom of the form are two buttons: 'Reset' (blue) and 'Submit' (green).

Figure 5.6 UI(Salesman Page)

5.7 Add New Product:

To add new product dealer have to login and select add new product field and fill all the information and then click submit button.

Add Your Product Information Here All Field Required (*)

Name*	
Type*	Piece
Quantity*	Ml/L/gm/kg/None
Date*	dd-----yyyy

Figure 5.7 UI(Add New Product)

5.8 Product Stock Information:

To view all product stock/list dealer have to login and select product Stock list field and then go to all product stock.

All Product Informatio...

No	Name	Pack/Pieces	Quantity	Entry Date	Status	Action
1	maggi noodles	piece	1840	2017-11-27	In Stock	 Delete
2	coca cola	piece	350	2017-11-05	In Stock	 Delete
3	coca cola	pack	200	2017-11-28	In Stock	 Delete
4	cocola noodles	piece	00	2017-11-28	Out Of Stock	 Update  Delete

Figure 5.8 UI(Product Stock Information)

5.9 Add New Salesman:

To add new salesman, dealer have to login and select add new salesman field and fill all the information about the individual person and then click submit button.

Add New Salesman

Salesman Information

Name *

Mobile No *

NID No *

Address *

Reference Person Name *

Reference Person Name Mobile No *

Password

Repeat Password

Salesman Profile Picture *

Choose FileNo file chosen

Reset

Submit

Figure 5.9 UI(Add New Salesman)

5.10 All Salesman List:

To view all salesmen list dealer have to login and select salesman information field and then go to all salesman information.

All Salesman Informatio...

No	Name	Mobile No	Action
1	Mr. Salesman	01571713338	View Edit Delete
2	Mr Hackman	01571713337	View Edit Delete

Figure 5.10 UI(All Salesman List)

5.11 Requests for Product:

To request for product salesman have to login and select request for new product field and fill all the information about the individual product and then click submit button.

Add Your Product Information Here All Field Required (*)

Product Name*	
Product Details *	Product Information
Request Date*	dd-----yyyy
Product Need Date*	dd-----yyyy

Figure 5.11 UI(Requests for Product)

5.12 View Product Requests:

To view the entire product requests dealer have to login and select view all the product requests for view product requests field and view all the information about the individual product with salesman info then click submit button.

All Product Request

No	Product Name	Details	Salesman Details	Request Date	Product Need Date	Action
1	coca cola	I need 30 packet coca cola	View	2017-11-05	2017-11-27	Accepted Delete
2	maggi noodles	I need 100 packet maggi noodles	View	2017-11-27	2017-11-27	Accept Delete
3	pepsi	I need 30 packet pepsi	View	2017-11-27	2017-11-30	Accept Delete

Figure 5.12 UI(View Product Requests)

Chapter Six

FINAL SYNOPSIS

6 Final Synopsis

6.1 Critical evolution and team attainment:

This Stock Management System project is mainly developed with prototype model. So, we need to handle with the requirements during the life cycle of the project which made uncomplicated to deal with. But due to using the standard template, we can avoid such of these problems. Moreover, we have faced with the stakeholders confliction. Overall, with the agreement of them we can overcome these crucial situations and finally overcome with the product.

Again, this project is intended is to initiate, assess, and reuse an online system that will improve the accessibility of store product.

6.2 Limitations:

As world is fast expanding, salesman are seeking for more ways to request products with much interest and still maintain cost effectiveness. The salesman needs to request the products in order to sell to end users. The manual method of promoting their products is difficult. For this system, there will be a system administrator who will have the rights to enter the stock products.

6.3 Obstacles and Achievements:

For this project development we faced some obstacles

1. Lack of agreement on initial goals and objectives.
2. Lack of stakeholder support or understanding.
3. Lack of required resources.
4. Unclear project definition or expectations.
5. Lack of use of final outcome.
6. Personality conflicts.
7. Poor leadership style.
8. Inadequate controls and monitoring.
9. Weak communication between project team members or management.

We also gained achievement throughout the project

1. Learned how to work with team.
2. Learned how to deal pressure situation.
3. Manage big amount of pressure.
4. Manage personal conflicts.
5. Manage leadership skill.

6.4 Future Scope

We have tried hard to make this project satisfactory and make it more flexible still there are lots of area to improve like: the security of the system must be stronger. Again, some of the new features to make it more attractive should implement. There should be some communication channel between the user and admin. Apart from these, payment system should make more easy and flexible in future development plane. After adding payment system it will be a full package of stock management system.

GLOSSARY:

Term	Stock Management System development team.
Database	Collection of all the information monitored by this system
Field	A cell within a form.
Software Requirements Specification	A document that completely describes all of the functions of a proposed system and the constraints under which it must operate. For example, this document.
Stakeholder	Any person with an interest in the project who is not a developer.
user	Dealer and Salesman.

Table 6.1 Glossary

REFERENCES:

[1] https://en.wikipedia.org/wiki/Inventory_management_software

[Accessed Date: 21 Oct 2017]

[2] <https://blog.capterra.com/what-is-an-inventory-management-system/>

[Accessed Date: 30 Oct 2017]

[3] <https://www.camcode.com/asset-tags/what-is-an-inventory-management-system/>

[Accessed Date: 11 Jan 2018]

[4] <https://www.slideshare.net/ShahriarKabir5/stock-management-system>

[Accessed Date: 2 Feb 2018]

[5] <http://allproject4u.blogspot.com/2013/01/stock-management-system.html>

[Accessed Date: 18 Mar 2018]