

Stock Maintenance System

Submitted in partial fulfillment of the requirements for the degree of

Master of Technology

in

Software Engineering

by

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A L

16MIS0067

Under the guidance of

Prof. Nadesh R K

School of Information Technology and Engineering

VIT, Vellore.



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Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

May 10, 2020

DECLARATION

I hereby declare that the Industrial Internship report entitled “**Stock Maintenance System**” submitted by me to VIT, Vellore, in partial fulfillment of the requirement for the award of the degree of M.Tech (Software Engineering) is a record of bonafide Industrial Internship -SWE3099 carried out by me under the guidance of Ms. Keerthi Sri, Senior Software Engineer.

I further declare that the work reported in this project has not been submitted and will not be submitted, either in part or in full, for the award of any other degree in this institute or any other institute or university.

Place : Vellore

Date : May 10, 2020

Signature of the Candidate

CERTIFICATE

This is to certify that the Industrial Internship report entitled “**Stock Maintenance System**” submitted by HARI PRIYA A L (16MIS0067) to VIT, Vellore, in partial fulfillment of the requirement for the award of the degree of M.Tech (Software Engineering) is a record of bonafide work carried out by him /her under my guidance.

The contents of this report have not been submitted and will not be submitted either in part or in full, for the award of any other degree or diploma in this institute or any other institute or university. The project fulfills the requirements as per the regulations of this Institute and in my opinion meets the necessary standards for submission.

Place :Vellore

Date : May 10,2020

Signature of the Guide

Prof.Nadesh.R.K

Internal Examiner

**School of Information Technology and Engineering
Software and System Engineering**

ACKNOWLEDGEMENTS

I wish to express our heartfelt gratitude to Dr.G.Viswanathan, Chancellor, VIT, Vellore, for providing facilities for the Industrial Internship. I am highly grateful to our Vice President, Dr.G. Sankhar Viswanathan.

My sincere gratitude to Dr. Balakrushna Tripathy, Dean, School of Information Technology and Engineering, for giving me the opportunity to undertake the project.

I wish to express my sincere gratitude to Dr. S. Sree Dharinya, Head of the Department, Software and Systems Engineering, Prof. Sujatha R& Prof. Elango, Industrial Internship Coordinators, M.Tech (Software Engineering), School of Information Technology and Engineering for providing me continuous support to do my project work.

I would like to express my special gratitude and thanks to my external guide Ms Keerthi Sri , TechCiti Technologies Private Limited and internal guide Prof. Nadesh R K, Associate Professor SITE for their esteemed guidance, immense support and encouragement to complete the internship successfully.

I thank the management of VIT, Vellore for permitting me to use the library resources. I also thank all the faculty members of VIT, Vellore for giving me the courage and strength I needed to complete my goals. This acknowledgement would be incomplete without expressing my whole hearted thanks to my family and friends who motivated me during the course of the work.

Hari Priya A L

CERTIFICATE



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No. 22 23 24 25/101, BNR Complex, Road, J.P. Nagar 7th Phase,
Bengaluru, Karnataka 560078.

Ref. No.: TTPL/2019-20/HRD/INT 1199

Date: 15th July, 2019

TO WHOMSOEVER IT MAY CONCERN

We would like to inform you that Ms. **Hari Priya A L** has successfully completed her internship with our company, she has been working on the Project Title "**Stock Maintenance System**" from 20.05.2019 to 28.06.2019 as "Software Developer – Intern".

We have found her to be a self-starter who is motivated, duty-bound and hardworking. She has worked sincerely on her assignments and her performance is at par excellence.

We wish her all the best for her future endeavors.



Manager
HR-Operations
TechCiti Technologies Private Limited.

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ABSTRACT

This project is aimed at developing a desktop based application named Stock Maintenance System for managing the inventory system of any organization. The Stock Maintenance System refers to the system and processes to manage the stock of organization with the involvement of Technology system. This system can be used to store the details of the inventory, stock maintenance, update the stock based on the sales details, generate sales and inventory report. In this system we are solving different problem affecting to direct sales management and purchase management. Inventory Management System is important to ensure quality control in businesses that handle transactions revolving around consumer goods. Without proper inventory control, a large retail store may run out of stock on an important item. A good inventory management system will alert the wholesaler when it is time to record. Inventory Management System is also an important means of automatically tracking large shipment. An automated Stock Maintenance System helps to minimize the errors while recording the stock.

Stock Maintenance System to overcome the work load and time consumption which makes the maintenance of the stock in an organization as a tedious process. This project provides complete information about the details of the stock. This project identifies the amount of stock available, the product that is purchased products that have been sold, Separate modules have been created for purchasing, viewing stock details, selling details. As a whole marketing process can be improved if stock has been maintained properly.

TABLE OF CONTENTS

CHAPTER NO.	TITLE	PAGE NO
	ABSTARCT	
	LIST OF FIGURES	9
	LIST OF TABLES	10
	LIST OF SYMBOLS	11
1.	INTRODUCTION	
	1.1.Problem Statement	12
	1.2. Motivation	12
	1.3.Objective	12
2.	TECHNOLOGIES LEARNT	13
3.	SYSTEM DESIGN	
	3.1.System Architecture	14
	3.2.Module description	14
	3.3.System Specification	15
	3.3.1. Software Requirements	15
	3.3.2. Hardware Requirements	15
	3.4.Detailed Design	
	3.4.1. Use case Diagram	16
	3.4.2. Class Diagram	17
	3.4.3. Sequence Diagram	18
	3.4.4. Activity Diagram	19
	3.4.5. Dataflow Diagram	20
4.	IMPLEMENTATION	
	4.1.Implementation details	21

5.	TESTRESULTS	
	5.1.Test cases	38

6.	RESULT AND DISCUSSION	40
7.	CONCLUSION AND FUTURE WORK	48
8.	REFERENCES	
	8.1.Books	47
	8.2.URLS	47

LIST OF FIGURES

Table No	Title
3.1.a	Application Architecture
3.4.1.a	Use Case Diagram of Application
3.4.1.b	Use Case Diagram of Application(Admin)
3.4.1.c	Use Case Diagram of Application(User)
3.4.2.a	Class Diagram of Application
3.4.2.b	Class Diagram of Application(Login)
3.4.3.a	Sequences Diagram of Application(Admin)
3.4.3.b	Sequences Diagram of Application(User)
3.4.4.a	Activity Diagram of Application(Admin)
3.4.4.b	Activity Diagram of Application(User)
3.4.5.a	Process Flow Diagram of Application

LIST OF TABLES

Figure No	Title
5.1.a	Admin Login test cases
5.1.b	User Registration test cases
5.1.c	User Login test cases
5.1.d	Test cases result

LIST OF ABBREVIATIONS

ACRONYM	EXPANSION
SQL	Structured Query Language
HTML	Hyper Text Mark-up Language
CSS	Cascading Style Sheet

1. INTRODUCTION

1.1 ProblemStatement:

Stock Maintenance gives an idea about how products are maintained in the particular concern. The products that are to be purchased, the products that are to be sold are maintained here. This project also gives idea about the faults in the purchased product and the products that are to be replaced also been given. Further some additional details of the current stock that is available in the store is also given. Stock maintenance in this project is done in an authorized way. The password and user id has been set here. As a whole the marketing process can be improved if the stock is maintained properly.

1.2 Motivation:

A very simple Stock Maintenance system designed to support small shops and similar product stores. Try the Stock Maintenance system if you don't require the complex commercial systems full of capabilities and hard to use. This very simple tool is easy to learn, practical to use and clean.

1.3 Objective:

The objectives of this project are mentioned below:

- To develop an application that deals with the day to day requirement of any productionorganization
- To develop the easy management of theinventory
- To handle the inventory details like sales details, purchase details and balance stockdetails.
- To provide competitive advantage to theorganization.
- To provide details information about the stockbalance.
- To make the stock manageable and simplify the use of inventory in the organization.

2. TECHNOLOGIES LEARNT

- HTML,CSS
- Python
- MYSQL(JDBC)
- SERVLETS

Python:

- Python works on different platforms (Windows, Mac, Linux, Raspberry Pi, etc).
- Python has a simple syntax similar to the English language.
- Python has syntax that allows developers to write programs with fewer lines than some other programming languages.
- Python runs on an interpreter system, meaning that code can be executed as soon as it is written. This means that prototyping can be very quick.
- Python can be treated in a procedural way, an object-orientated way or a functional way.

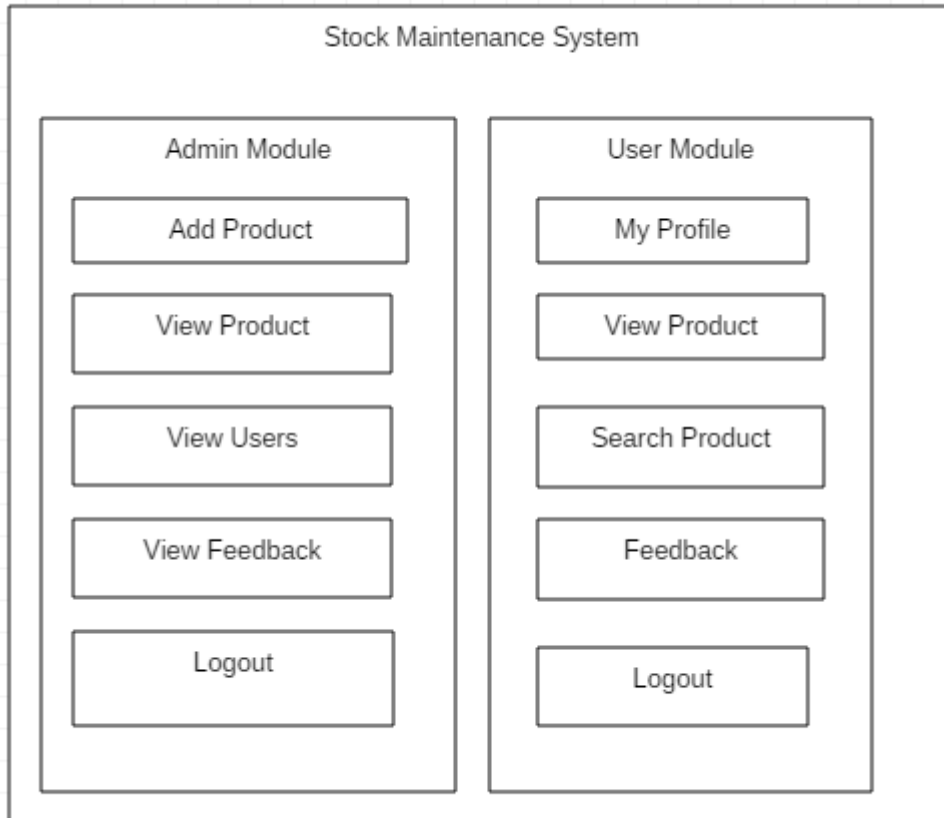
Characteristics of Python

Five important characteristics make Python practical nature possible –

- Easy to learn and Use
- Free and Open Source
- Cross Platform Language
- Large Standard Library
- GUI Programming Supported

3. SYSTEM DESIGN

3.1. SystemArchitecture:



3.1. a.Figure

3.2. Moduledescription:

INDEX:

- Home:

In Home page the latest news will be updated and links will be provided for Facebook and twitter

- Admin Login:

Admin Login is only for administrators who handles the Stock maintenance System

- User Login:

User can perform some tasks in this module

- Registration:

New Users should first register here before logging into the user login page

- Contact Us:

For any further queries Contact Details are provided

ADMIN LOGIN:

Admin Login is only for administrators who handles the Stock maintenance System

- Home:

In Home page the latest news will be updated and links will be provided for Facebook and twitter

- Add Product:

In Add Product module we should entry all the details of the product for sales

- View Product:

In View Product module we can view the list of products which were added

- View User:

In this module Admin can also able to see the list of users

- View Feedback:

In view feedback module admin can able to read the feedback which were provided by the users and make improvement for further issues

- View Buy Details:

In this module we can able to see who bought the product and also what product

- Logout:

Gets Logged out from the Admin Login

USER LOGIN:

- Home
In Home page the latest news will be updated and links will be provided for Facebook and twitter
- My Profile
User can check their profile
- View Product
In View Product module we can view the list of products which were added
- Search Product
User can enter the product which they want this module will help them out by finding out the right product
- Feedback
Provide Feedback for products or any issue related interface in viewing and searching the product
- Logout
Gets Logged out from the User Login

3.3. System Specifications:

i. Hardware Requirements:

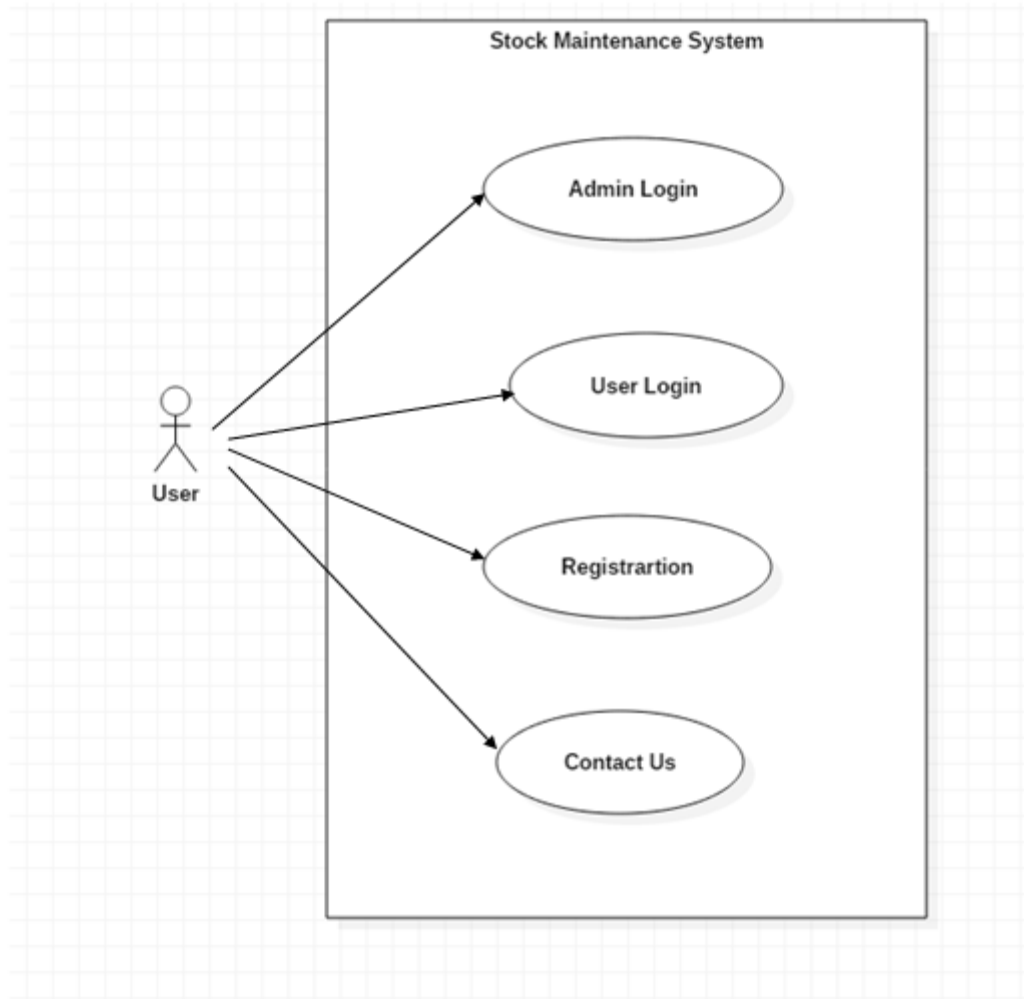
- Operating System(Windows 32/64bit)
- RAM (4GB)

ii. Software Requirements:

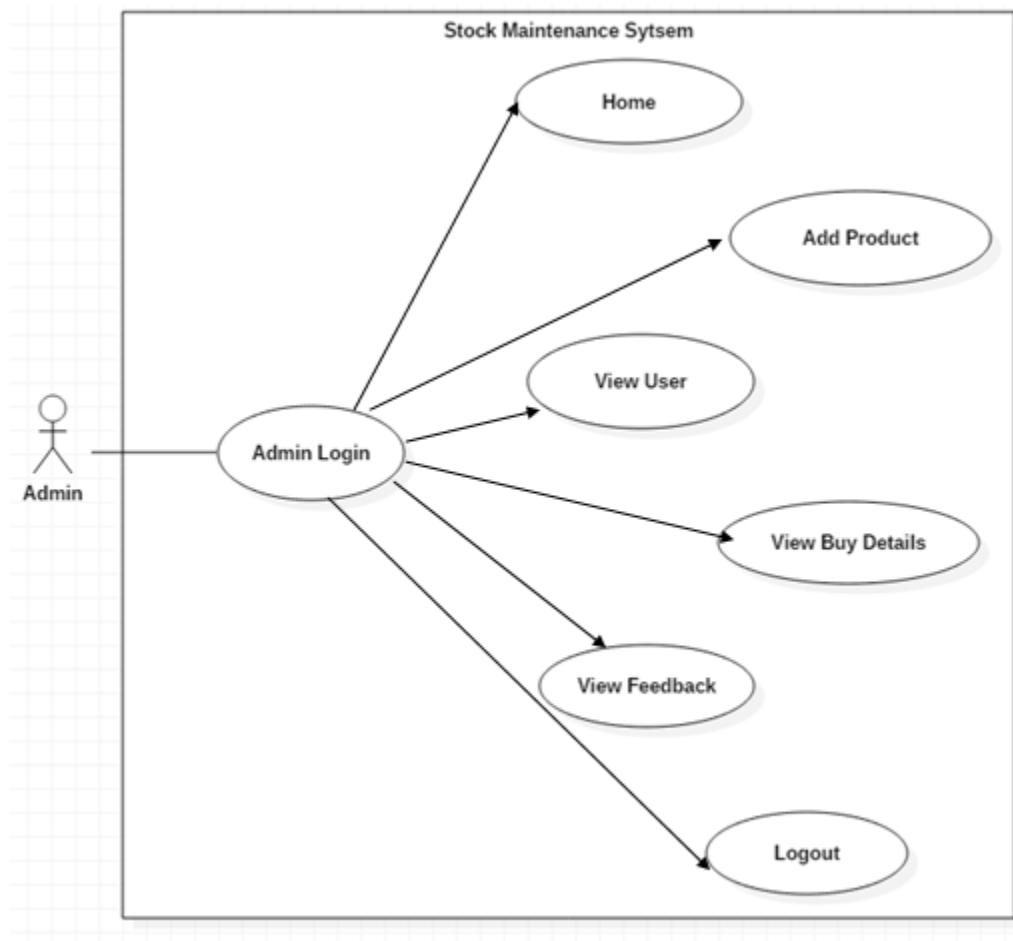
- MySQL
- Browser
- Notepad
- XAMPP3.2.

3.4. DetailedDesign

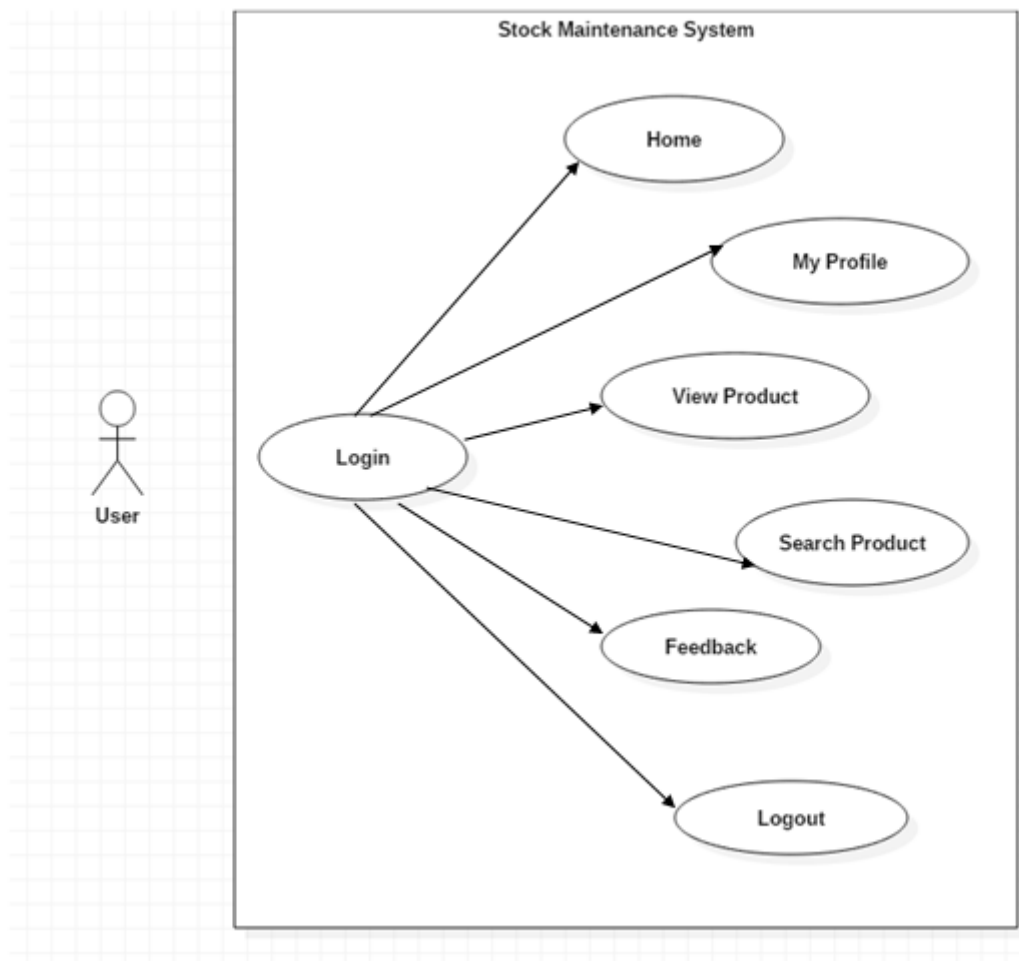
3.4.1. Use case Diagram:



3.4.1a figure

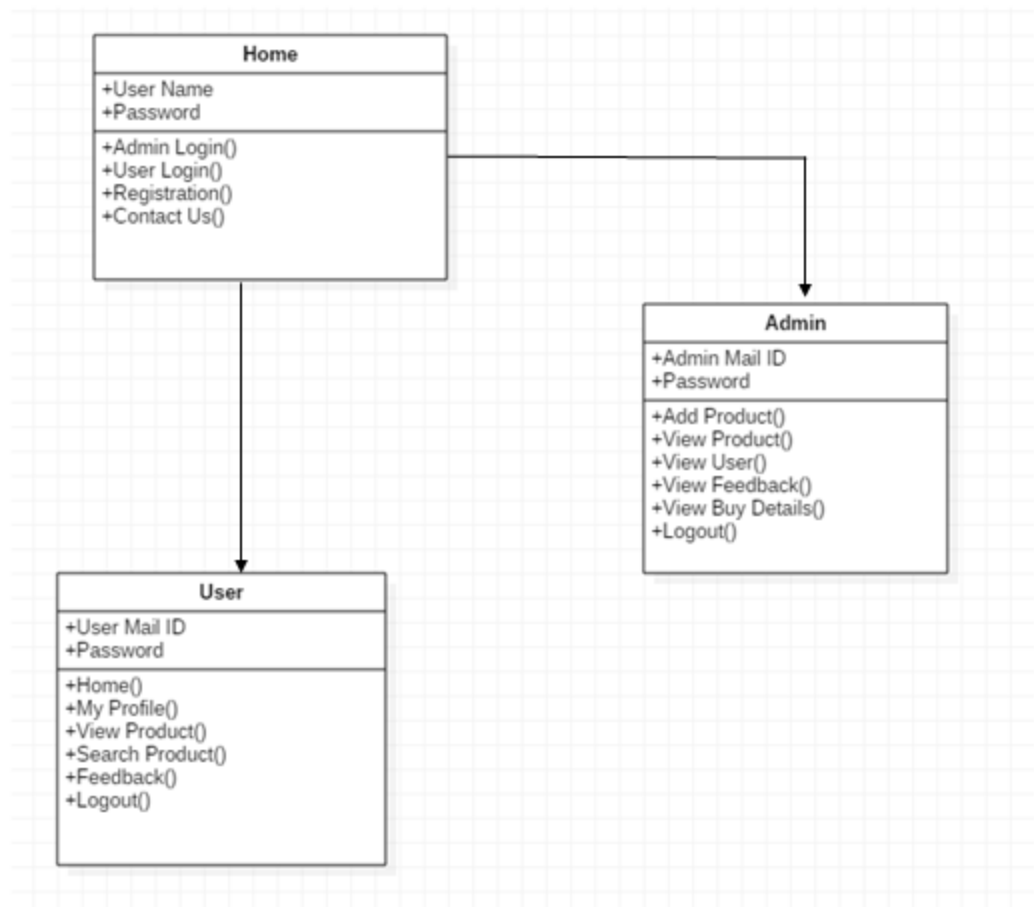


3.4.1 b Figure

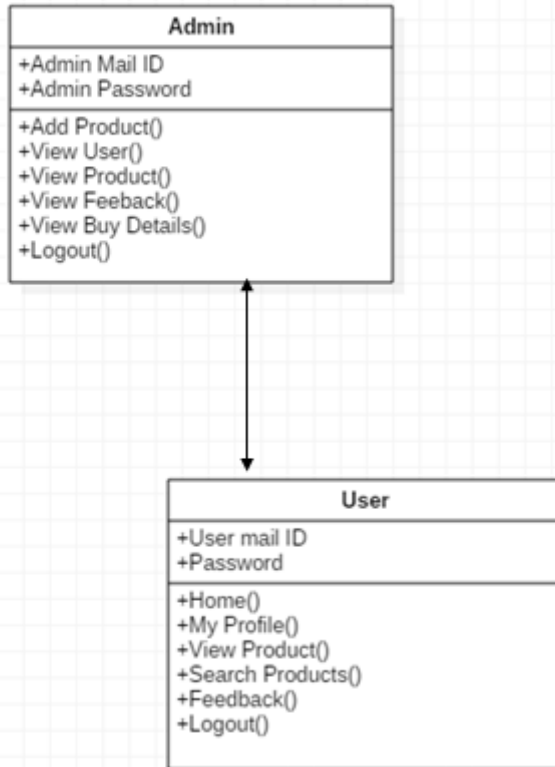


3.4.1 c Figure

3.4.1. Class Diagram:

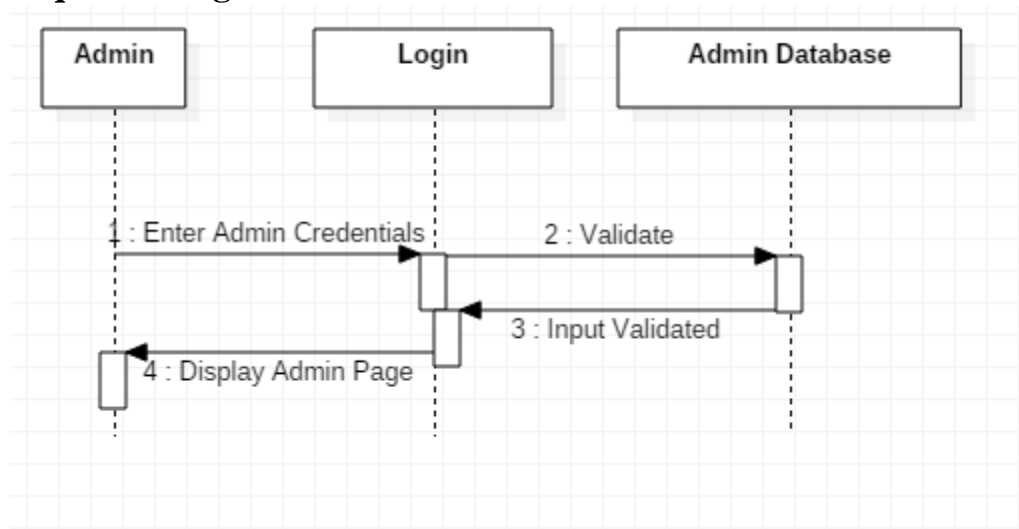


3.4.2.a figure

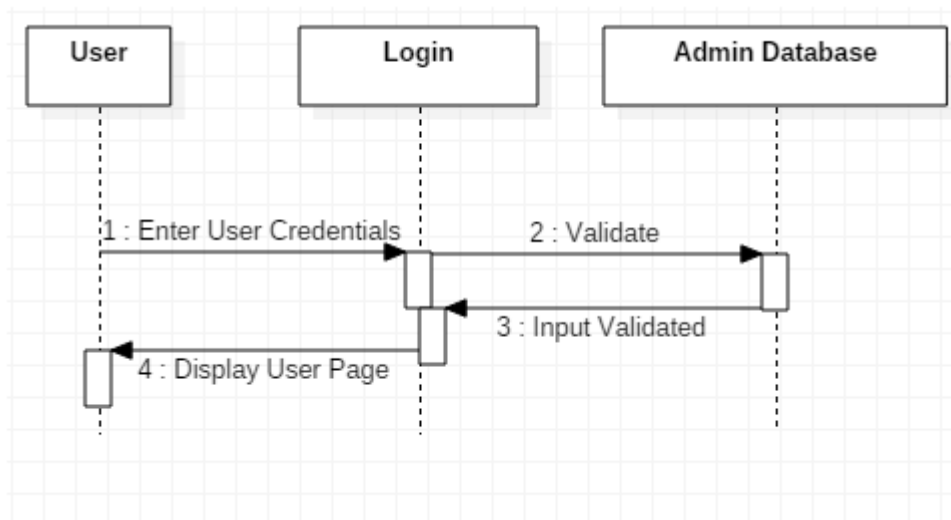


3.4.2.a figure

3.4.2. SequenceDiagram:

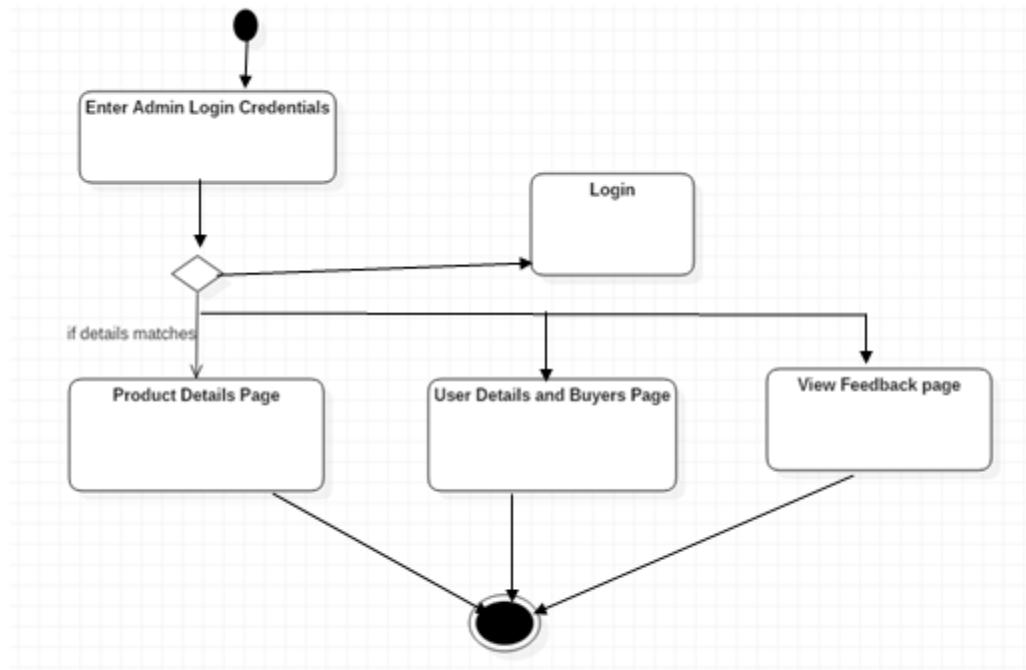


3.4.3.a figure

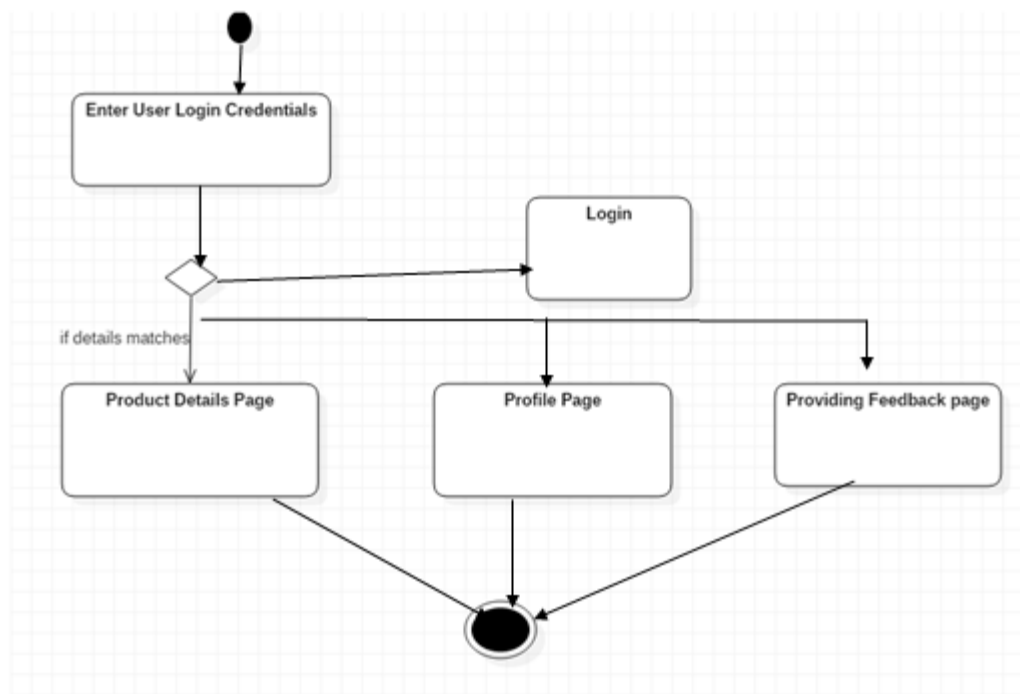


3.4.3.b figure

3.4.3. Activity Diagram:

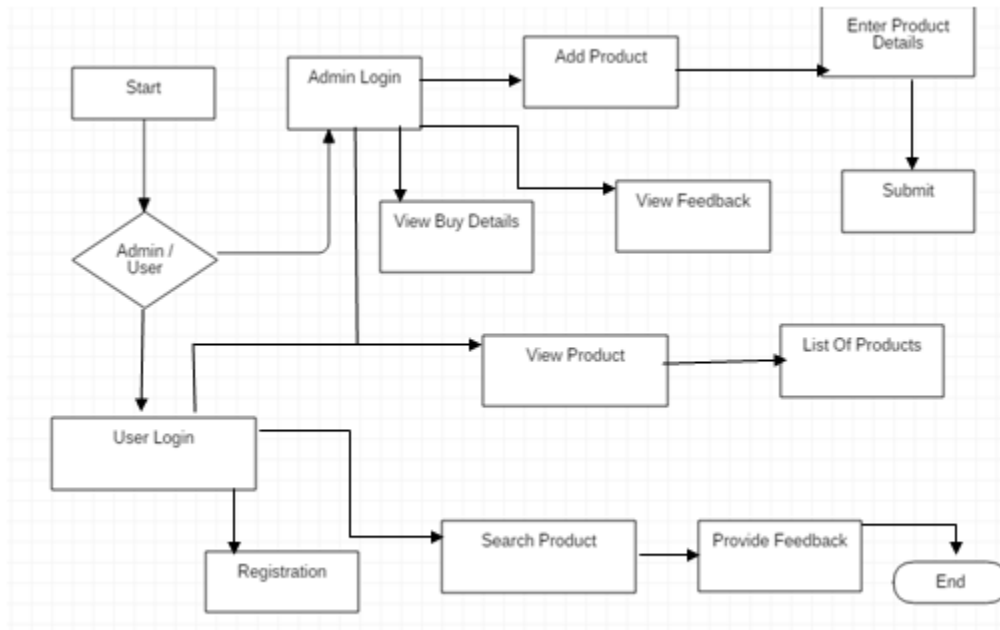


3.4.4.afigure



3.4.4.bfigure

3.4.4. Process flowDiagram:



3.4.5.a figure

4. IMPLEMENTATION

4.1. Implementation details:

Admin Page:

In this Admin page admin can add the products when they want to add product with product details and check details of users and buyers of product. View feedback provided by the users and also can Logout.

User Page:

In this User page user can view the list of products and search for the products they need, user can view their profile and provide feedback of the products.

SAMPLECODE:

Index Page:

```
<!DOCTYPE HTML>
<html>

<head>
<title>Stock Maintenance</title>
<meta name="description" content="website description" />
<meta name="keywords" content="website keywords, website keywords" />
<meta http-equiv="content-type" content="text/html; charset=windows-1252" />
<link rel="stylesheet" type="text/css" href="style/style.css" />
</head>

<body>
<div id="main">
<div id="header">
<div id="logo">
<div id="logo_text">
<!-- class="logo_colour", allows you to change the colour of the text -->
<h1><a href="index.html">Controlling<span class="logo_colour">Stock Maintenance</span></a></h1>

</div>
</div>
<div id="menubar">
```

```

<ul id="menu">
<!-- put class="selected" in the li tag for the selected page - to highlight which page you're on -->
<li class="selected"><a href="index.html">Home</a></li>
<li><a href="alogin.html">Admin Login</a></li>
<li><a href="ulogin.html">User Login</a></li>
<li><a href="reg/index.html">Registration</a></li>
<li><a href="contact.html">Contact Us</a></li>
</ul>
</div>
</div>
<div id="content_header"></div>
<div id="site_content">
<div id="banner"></div>
    <div id="sidebar_container">
<div class="sidebar">
<div class="sidebar_top"></div>
<div class="sidebar_item">
<!-- insert your sidebar items here -->
<h3>Latest News</h3>
<h4>New Stock Details Arrived</h4>
<h5>February 1st, 2018</h5>
<p>Effective and dynamic way to maintain a inventory details to reduce the man power<br /><a href="#">Read
more</a></p>
</div>
<div class="sidebar_base"></div>
</div>
<div class="sidebar">
<div class="sidebar_top"></div>
<div class="sidebar_item">
<h3>Useful Links</h3>
<ul>
<li><a href="http://www.gmail.com">Gmail</a></li>
<li><a href="http://www.facebook.com">Facebook</a></li>
<li><a href="http://www.twitter.com">Twitter</a></li>
<li><a href="https://plus.google.com/discover">Google plus</a></li>
</ul>
</div>
<div class="sidebar_base"></div>
</div>
<div class="sidebar">
<div class="sidebar_top"></div>
<div class="sidebar_item">
<h3>Search</h3>
<form method="post" action="#" id="search_form">
<p>
<input class="search" type="text" name="search_field" value="Enter keywords....." />
<input name="search" type="image" style="border: 0; margin: 0 0 -9px 5px;" src="style/search.png" alt="Search"
title="Search" />

```

```

</p>
</form>
</div>
<div class="sidebar_base"></div>
</div>
</div>
<div id="content">
<!-- insert the page content here -->
<h1>Welcome to the Stock Maintenance</h1>
<p>This project “Controlling the Stock Maintenance” has been developed for the computerization of the handling stock of a product. This project mainly deals with the items, suppliers, sales, purchase basis. The project get all the details about the items stock and how many the product have sold and purchased. This makes the manager manage the product easily and can retrieve the information easily.
<br><br>The main goal of this project is to reduce manual works,increase the processing speed and ensure reliability of data. This project “Controlling the Stock Maintenance” deals with stock Management in a concern. This project also takes care of maintaining records of all the sales details, purchase details of the concern.
</p>

</div>
</div>
<div id="content_footer"></div>
<div id="footer">
<p><a href="index.html">Home</a> | <a href="alogin.html">Admin Login</a> | <a href="ulogin.html">User Login</a> | <a href="reg/index.html">Registration</a> | <a href="contact.html">Contact Us</a></p>
<p>Copyright &copy; <a href="www.techciti.in">TechCiti Technology</a></p>
</div>
</div>
</body>
</html>

```

Admin :

```

#!C:/python34/python
import cgi
import mysql.connector
print("Content-type: text/html")
print("")

form=cgi.FieldStorage()

e=form.getvalue("email");

p=form.getvalue("pass");
if e=="admin@gmail.com" and p=="admin":
    redirectURL = "http://localhost/Stock%20maintenance/adminhome.html"
    print(' <meta http-equiv="refresh" content="0;url='+str(redirectURL)+'" />')

```

else:

```
print("<script>alert('Username or Password Incoorect')</script>");
```

Admin Home:

```
<!DOCTYPE HTML>
```

```
<html>
```

```
<head>
```

```
<title>Stock Maintenance</title>
```

```
<meta name="description" content="website description" />
```

```
<meta name="keywords" content="website keywords, website keywords" />
```

```
<meta http-equiv="content-type" content="text/html; charset=windows-1252" />
```

```
<link rel="stylesheet" type="text/css" href="style/style.css" />
```

```
</head>
```

```
<body>
```

```
<div id="main">
```

```
<div id="header">
```

```
<div id="logo">
```

```
<div id="logo_text">
```

```
<!-- class="logo_colour", allows you to change the colour of the text -->
```

```
<h1><a href="index.html">Controlling<span class="logo_colour">Stock Maintenance</span></a></h1>
```

```
</div>
```

```
</div>
```

```
<div id="menubar">
```

```
<ul id="menu">
```

```
<!-- put class="selected" in the li tag for the selected page - to highlight which page you're on -->
```

```
<li class="selected"><a href="adminhome.html">Home</a></li>
```

```
<li><a href="addpro.html">Add Product</a></li>
```

```
<li><a href="viewpro.py">View Product</a></li>
```

```
<li><a href="viewuser.py">View User</a></li>
```

```
    <li><a href="viewfeed.py">View Feedback</a></li>
```

```
    <li><a href="viewcon.py">View Buy Details</a></li>
```

```
<li><a href="index.html">Logout</a></li>
```

```
</ul>
```

```
</div>
```

```
</div>
```

```
<div id="content_header"></div>
```

```
<div id="site_content">
```

```
<div id="banner"></div>
```

```
    <div id="sidebar_container">
```

```
<div class="sidebar">
```

```
<div class="sidebar_top"></div>
```

```
<div class="sidebar_item">
```

```
<!-- insert your sidebar items here -->
```

```
<h3>Latest News</h3>
```

```

<h4>New Stock Details Arrived</h4>
<h5>February 1st, 2018</h5>
<p>Effective and dynamic way to maintain a inventory details to reduce the man power<br /><a href="#">Read
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<li><a href="http://www.twitter.com">Twitter</a></li>
<li><a href="https://plus.google.com/discover">Google plus</a></li>
</ul>
</div>
<div class="sidebar_base"></div>
</div>
<div class="sidebar">
<div class="sidebar_top"></div>
<div class="sidebar_item">
<h3>Search</h3>
<form method="post" action="#" id="search_form">
<p>
<input class="search" type="text" name="search_field" value="Enter keywords....." />
<input name="search" type="image" style="border: 0; margin: 0 0 -9px 5px;" src="style/search.png" alt="Search"
title="Search" />
</p>
</form>
</div>
<div class="sidebar_base"></div>
</div>
<div id="content">
<!-- insert the page content here -->
<h1>Welcome to the Stock Maintenance</h1>
<p>Welcome To Admin Home...
</p>

</div>
</div>
<div id="content_footer"></div>
<div id="footer">
<p><a href="adminhome.html">Home</a> | <a href="addpro.html">Add Product</a> | <a href="viewpro.py">View
Product</a> | <a href="viewuser.py">View User</a> | <a href="index.html">Logout</a></p>

```

```

<p>Copyright &copy; <a href="www.techciti.in">TechCiti Technology</a></p>
</div>
</div>
</body>
</html>

```

User Login:

```

!C:/python34/python
import cgi
import mysql.connector
print("Content-type: text/html")
print("")

a=0;
form=cgi.FieldStorage()

e=form.getvalue("username");

p=form.getvalue("pass");
cnx = mysql.connector.connect(user='root', password="",
                              host='localhost',
                              database='stock');
cursor=cnx.cursor()
cursor.execute("""
    SELECT * FROM reg where username=%s and pass=%s""",(e, p))
for row in cursor:
    a=1;
if(a==1):
    redirectURL = "http://localhost/Stock%20maintenance/userhome.html"
    print('    <meta http-equiv="refresh" content="0;url='+str(redirectURL)+'" />')

else:
    print("<script>alert('Username or Password Incoorect')</script>");

```

USER HOME:

```

<!DOCTYPE HTML>
<html>

<head>
<title>Stock Maintenance</title>
<meta name="description" content="website description" />
<meta name="keywords" content="website keywords, website keywords" />
<meta http-equiv="content-type" content="text/html; charset=windows-1252" />
<link rel="stylesheet" type="text/css" href="style/style.css" />
</head>

<body>

```

```

<div id="main">
<div id="header">
<div id="logo">
<div id="logo_text">
<!-- class="logo_colour", allows you to change the colour of the text -->
<h1><a href="index.html">Controlling<span class="logo_colour">Stock Maintenance</span></a></h1>

</div>
</div>
<div id="menubar">
<ul id="menu">
<!-- put class="selected" in the li tag for the selected page - to highlight which page you're on -->
<li class="selected"><a href="userhome.html">Home</a></li>
<li><a href="profile.html">My Profile</a></li>
<li><a href="viewprod.py">View Product</a></li>
<li><a href="search.html">Search Product</a></li>
<li><a href="feedback.html">Feedback</a></li>
<li><a href="index.html">Logout</a></li>
</ul>
</div>
</div>
<div id="content_header"></div>
<div id="site_content">
<div id="banner"></div>
<div id="sidebar_container">
<div class="sidebar">
<div class="sidebar_top"></div>
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<li><a href="http://www.facebook.com">Facebook</a></li>
<li><a href="http://www.twitter.com">Twitter</a></li>
<li><a href="https://plus.google.com/discover">Google plus</a></li>
</ul>
</div>
</div>

```



```

<div class="sidebar_base"></div>
</div>
<div class="sidebar">
<div class="sidebar_top"></div>
<div class="sidebar_item">
<h3>Search</h3>
<form method="post" action="#" id="search_form">
<p>
<input class="search" type="text" name="search_field" value="Enter keywords....." />
<input name="search" type="image" style="border: 0; margin: 0 0 -9px 5px;" src="style/search.png" alt="Search"
title="Search" />
</p>
</form>
</div>
<div class="sidebar_base"></div>
</div>
</div>
<div id="content">
<!-- insert the page content here -->
<h1>Welcome to the Stock Maintenance</h1>
<p>Welcome To User Home...
        </p>

</div>
</div>
<div id="content_footer"></div>
<div id="footer">
<p><a href="adminhome.html">Home</a> | <a href="addpro.html">Add Product</a> | <a href="viewpro.py">View
Product</a> | <a href="viewuser.py">View User</a> | <a href="index.html">Logout</a></p>
<p>Copyright &copy; <a href="www.techciti.in">TechCiti Technology</a></p>
</div>
</div>
</body>
</html>

```

Add Product:

```

<!DOCTYPE HTML>
<html>

<head>
<title>Stock Maintenance</title>
<meta name="description" content="website description" />
<meta name="keywords" content="website keywords, website keywords" />
<meta http-equiv="content-type" content="text/html; charset=windows-1252" />
<link rel="stylesheet" type="text/css" href="style/style.css" />
</head>

```

```

<body>
<div id="main">
<div id="header">
<div id="logo">
<div id="logo_text">
<!-- class="logo_colour", allows you to change the colour of the text -->
<h1><a href="index.html">Controlling<span class="logo_colour">Stock Maintenance</span></a></h1>

</div>
</div>
<div id="menubar">
<ul id="menu">
<!-- put class="selected" in the li tag for the selected page - to highlight which page you're on -->
<li class="selected"><a href="adminhome.html">Home</a></li>
<li><a href="addpro.html">Add Product</a></li>
<li><a href="viewpro.py">View Product</a></li>
<li><a href="viewuser.py">View User</a></li>
        <li><a href="viewfeed.py">View Feedback</a></li>
        <li><a href="viewcon.py">View Buy Details</a></li>
<li><a href="index.html">Logout</a></li>
</ul>
</div>
</div>
<div id="content_header"></div>
<div id="site_content">
<div id="banner"></div>
        <div id="sidebar_container">
<div class="sidebar">
<div class="sidebar_top"></div>
<div class="sidebar_item">
<!-- insert your sidebar items here -->
<h3>Latest News</h3>
<h4>New Stock Details Arrived</h4>
<h5>February 1st, 2018</h5>
<p>Effective and dynamic way to maintain a inventory details to reduce the man power<br /><a href="#">Read
more</a></p>
</div>
<div class="sidebar_base"></div>
</div>
<div class="sidebar">
<div class="sidebar_top"></div>
<div class="sidebar_item">
<h3>Useful Links</h3>
<ul>
<li><a href="http://www.gmail.com">Gmail</a></li>
<li><a href="http://www.facebook.com">Facebook</a></li>
<li><a href="http://www.twitter.com">Twitter</a></li>

```

```

<li><a href="https://plus.google.com/discover">Google plus</a></li>
</ul>
</div>
<div class="sidebar_base"></div>
</div>
<div class="sidebar">
<div class="sidebar_top"></div>
<div class="sidebar_item">
<h3>Search</h3>
<form method="post" action="#" id="search_form">
<p>
<input class="search" type="text" name="search_field" value="Enter keywords....." />
<input name="search" type="image" style="border: 0; margin: 0 0 -9px 5px;" src="style/search.png" alt="Search"
title="Search" />
</p>
</form>
</div>
<div class="sidebar_base"></div>
</div>
</div>
<div id="content">
<!-- insert the page content here -->
<h1>Welcome to the Stock Maintenance</h1>
<p>Welcome To Admin Home...
    </p>
<form action="addprod.py" method="post">
<table id="x" align='center' cellpadding="10px" cellspacing="10px" style="border: 10px solid white;box-
shadow:0px 0px 10px black">
<tr>
<td>Category Name</td>
<td><input type="text" name="cat_name" id="name"></td>
</tr>
<tr>
<td>Category Type</td>
<td>
<select name="cat_type">
<option></option>

<option>Electronics</option>
<option>software</option>
<option>hardware</option>
<option>CPU</option>
</td>
</tr>
<tr>
<td>Product Name</td>
<td><input type="text" name="prod_name" id="name"></td>
</tr>

```

```

<tr>
<td>Product Price</td>
<td><input type="number" name="prod_price" id="price"></td>
</tr>
<tr>
<td>Product Description</td>
<td><textarea rows="10" input type="text" name="prod_descri" id="descri"></textarea></td>
</tr>
<tr>
<td>Product Image</td>
<td><input type="file" name="prod_img" id="price"></td>
</tr>
<tr>
<td><input type="submit" name="submit" id="submit"></td>
</tr>
</table>
</div>
</div>
<div id="content_footer"></div>
<div id="footer">
<p><a href="adminhome.html">Home</a> | <a href="addpro.html">Add Product</a> | <a href="viewpro.py">View
Product</a> | <a href="viewuser.py">View User</a> | <a href="index.html">Logout</a></p>
<p>Copyright &copy; <a href="www.techciti.in">TechCiti Technology</a></p></div>
</div>
</body>
</html>

```

5. TESTING

This section of the test plan describes the overall approach for testing the Flexible clone payment system using secure computing portal project. The approach followed for testing the Flexible clone payment system using secure computing portal ensures that the major features of the project are adequately tested.

1. UNITTESTING

The Unit Testing is a test that tests each single module of the software to check for errors. This is mainly done to discover errors in the code of the college social network portal. The main goal of the unit testing would be to isolate each part of the program and to check the correctness of the code. The unit testing facilitates change in the code. It allows testing to be done in a bottom up fashion. At the same time, unit testing has some disadvantages such as; it might not identify each and every error in the system.

2. INTEGRATIONTESTING

In Integration Testing, the individual software modules are combined and tested as a whole unit. The integration testing generally follows unit testing where each module is tested as a separate unit. The main purpose of the integration testing is to test the functional and performance requirements on the major items of the project.

All the modules of the project developed individually would be combined together and tested as a whole system in the integration testing.

3. REGRESSIONTESTING

The Regression Testing is generally done whenever modifications are made to the source code of a project. The Regression Testing can also be defined as the process of testing changes made to the computer program and also makes sure that the older programming still works with the new changes.

4. ACCEPTANCETESTING

This testing is generally performed when the project is nearing its end. This test mainly qualifies the project and decides if it will be accepted by the users of the system. The users or the customers of the project are responsible for the test.

5.SYSTEMTESTING

The system testing is mainly done on the whole integrated system to make sure that the project that has been developed meets all the requirements. The test cases for the system testing will be the combination of unit and integration tests.

1.1. Test cases:

I. Admin testcases:

a. Login Testcases:

S.no	Username	Password	Expected Output
1	Haripriya		Invalid input
2	Hari	*****	Invalid Input
3	Priya*	*****	Invalid Input
4	Haripriya/	*****	Invalid Input
5	HariPriya	*****	Valid Input

1.1.a table

II. User testcases:

a. Register:

S.No	Name	Password	Email	Address	Contact number	Expected Output
1	HariPriya	*****	hari@gmail.	Vellore	7010524782	Invalid Input
2	HariPriya*	*****	hp@gmail.com	Vellore	7010524782#	Invalid Input
3	Hari	*****	varshigmail.com	Vellore	7010524782	Invalid Input
4	priya	*****	priya@gmail.com	Vellore1	7010524782329	Invalid Input
5	Hari//	*****	hari@gmail.com	Vellore\$	7010524782	Invalid Input
6	hari	*****	hari@gmail.com	Vellore	701052400782	Invalid Input
7	priya@	*****	priya@gmail.com	Vellore	7010524782	Invalid Input
8	priya	*****	priya@gmail.com	Vellore	7010524782	Invalid Input
9	Hemanth	*****	hemanth@gmail.com	Vellore	0000000000	Invalid Input
10	HariPriya	*****	haripriyaloganathan26@gmail.com	Vellore	7010524782	Valid Input

1.1.b table

b. Login:

S.no	Email Id	Password	Expected Output
1	hari23@gmail.com		Invalid input
2	\$hari@gmail.com	*****	Invalid Input
3	hari@gmail.com/	*****	Invalid Input
4	har%priya@gmail.com	*****	Invalid Input
5	priya@gmail.com	*****	Invalid Input
6	priya@gmail.com	*****	Invalid Input
7	k,hk@gmail.com	*****	Invalid Input
8	hp00@gmail.com	*****	Invalid Input
9	priya@gmail.com	*****	Invalid Input
10	haripriyaloganathan26@gmail.com	*****	Valid Input

1.1.c table

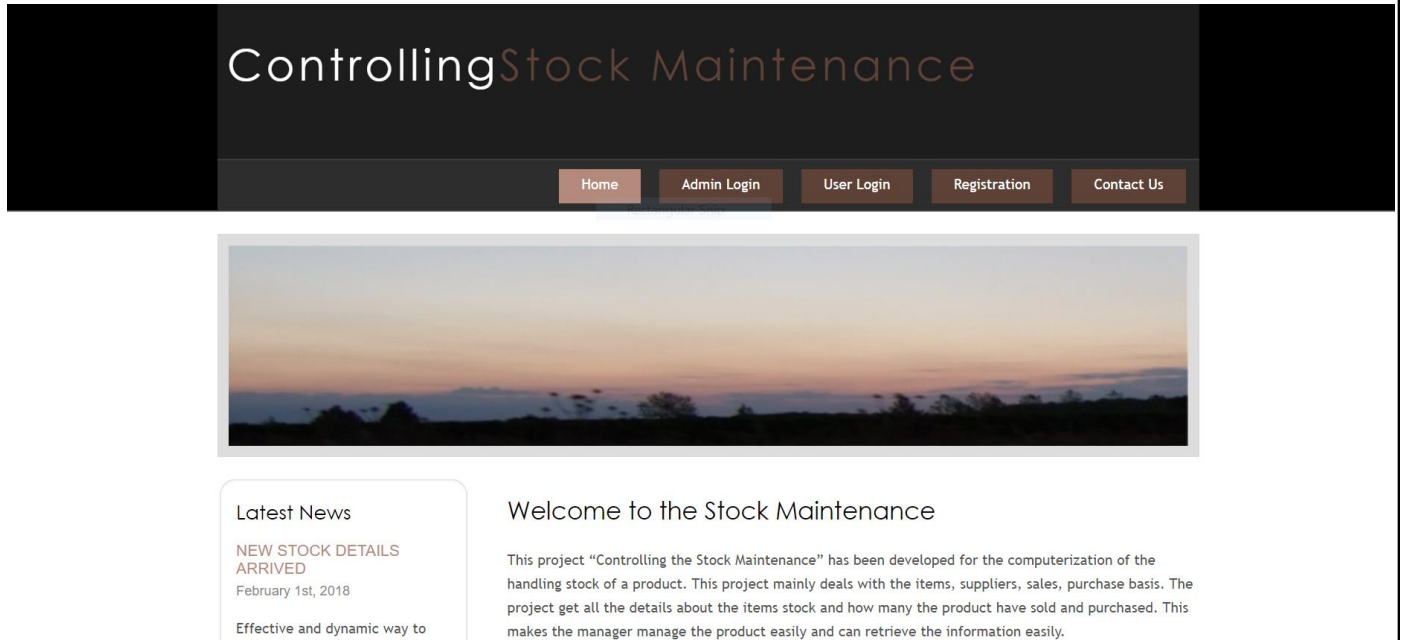
III. Testcase:

Test Case	Test Purpose	Test Condition	Expected Outcome	Actual Result
Login(User)	Check username and password	If user details are not correct, display error message	Grant Access to the applicable main system	User successfully logs into the submission of correct login credentials.
Add new user	To ensure that a new user is added to the system successfully.	If user already exists in the system, error message should display.	New user should be successfully added to the system.	If user email id already exists in the system, error message is displayed. If the email id of the new user does not exist in the system, new user is successfully added.
Login(Admin)	Check username and password	If admin details are not correct, display error message	Grant Access to the applicable main system	Admin successfully logs into the submission of correct login credentials.

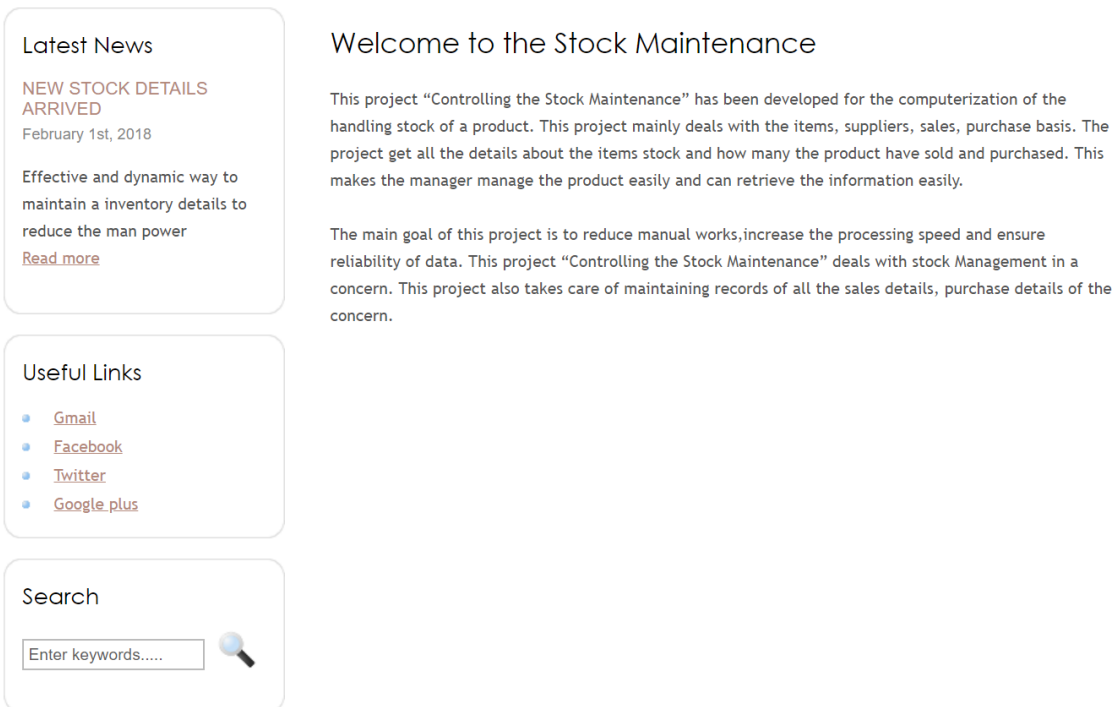
1.1.d table

2. RESULTS AND DISCUSSIONS

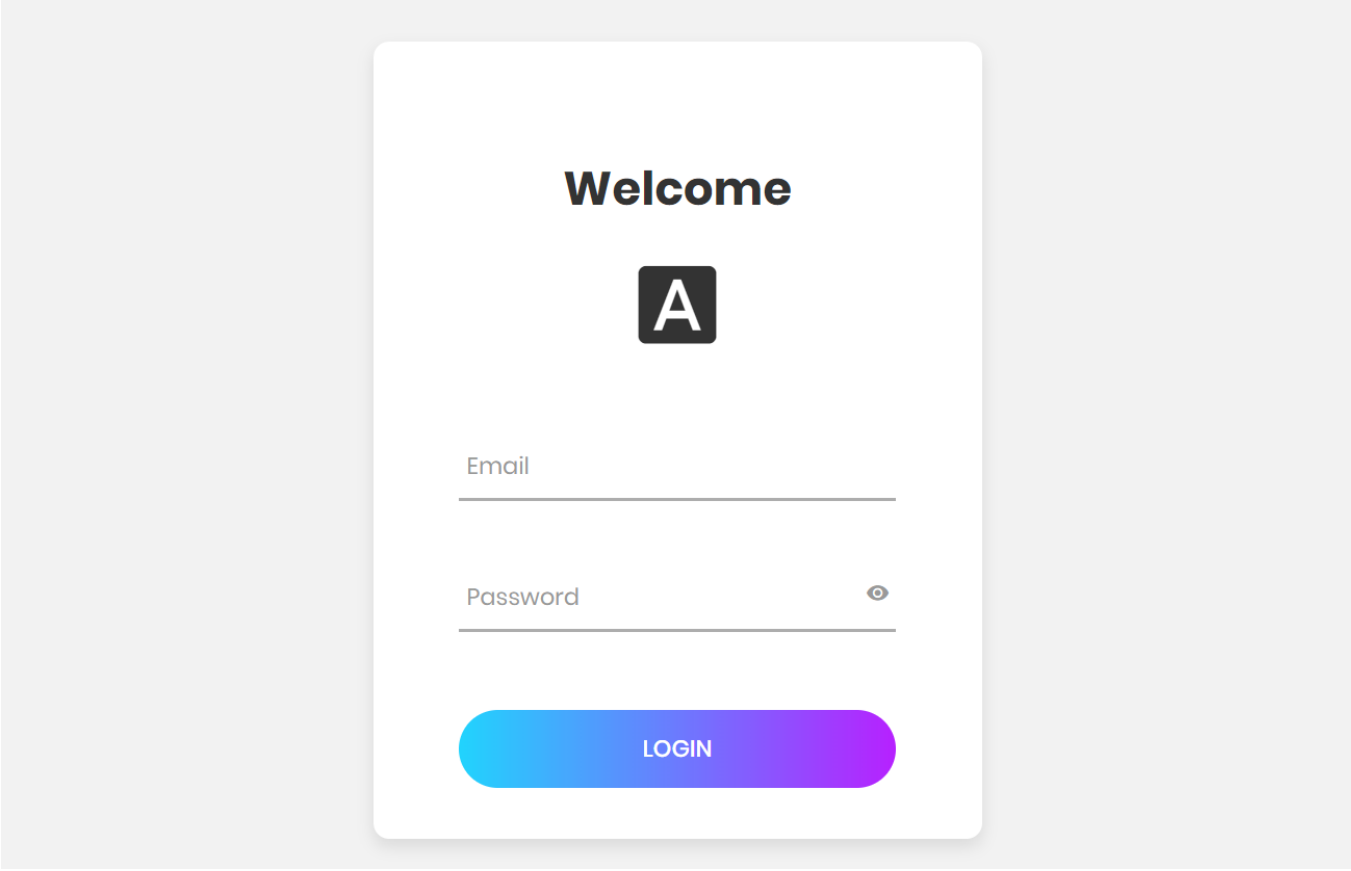
Screenshots:



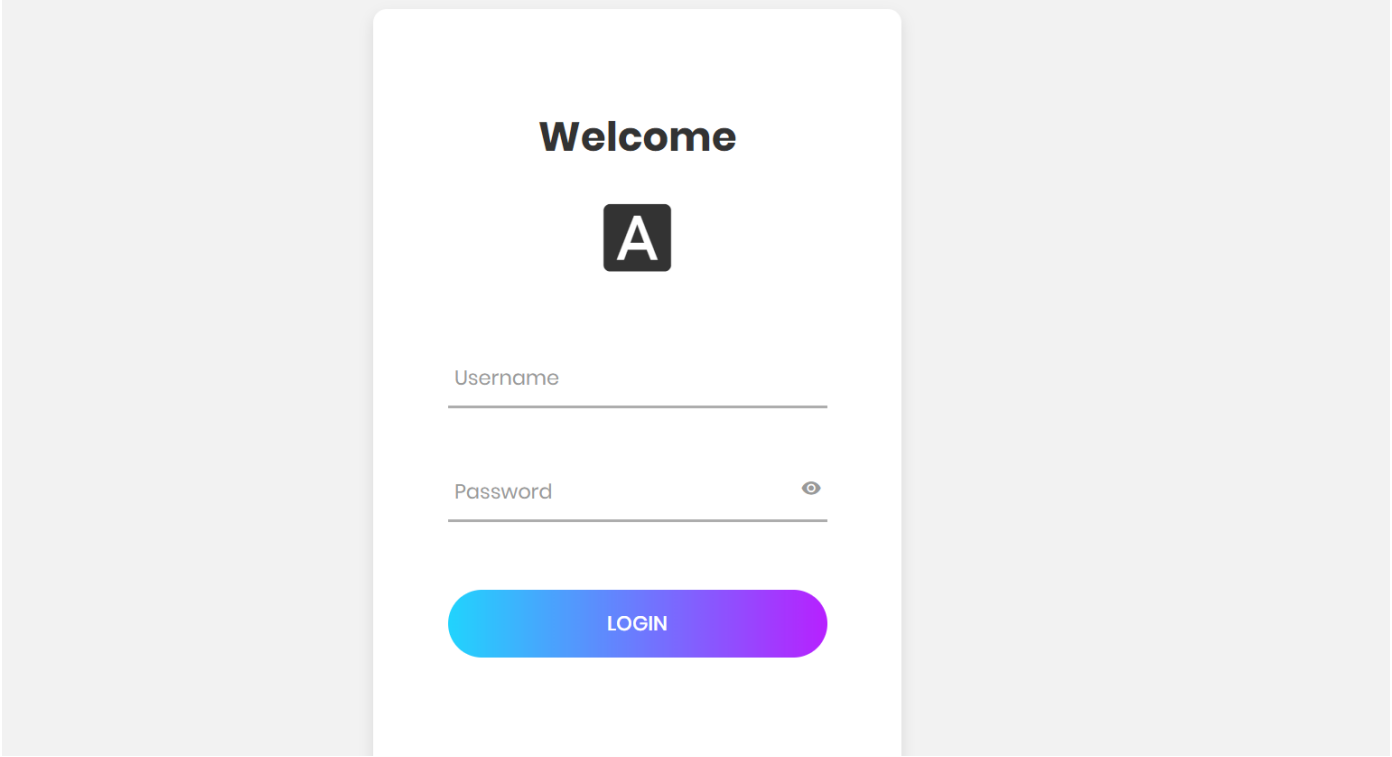
6. a.figure



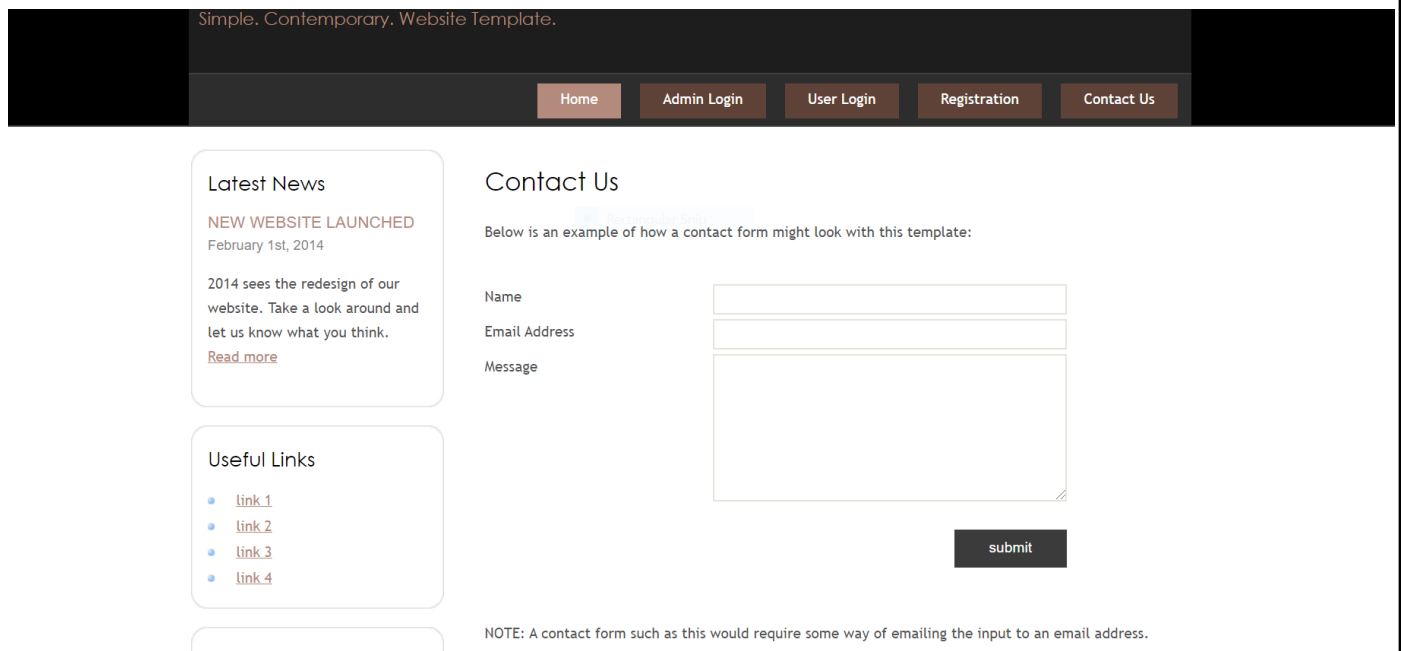
6. b.figure



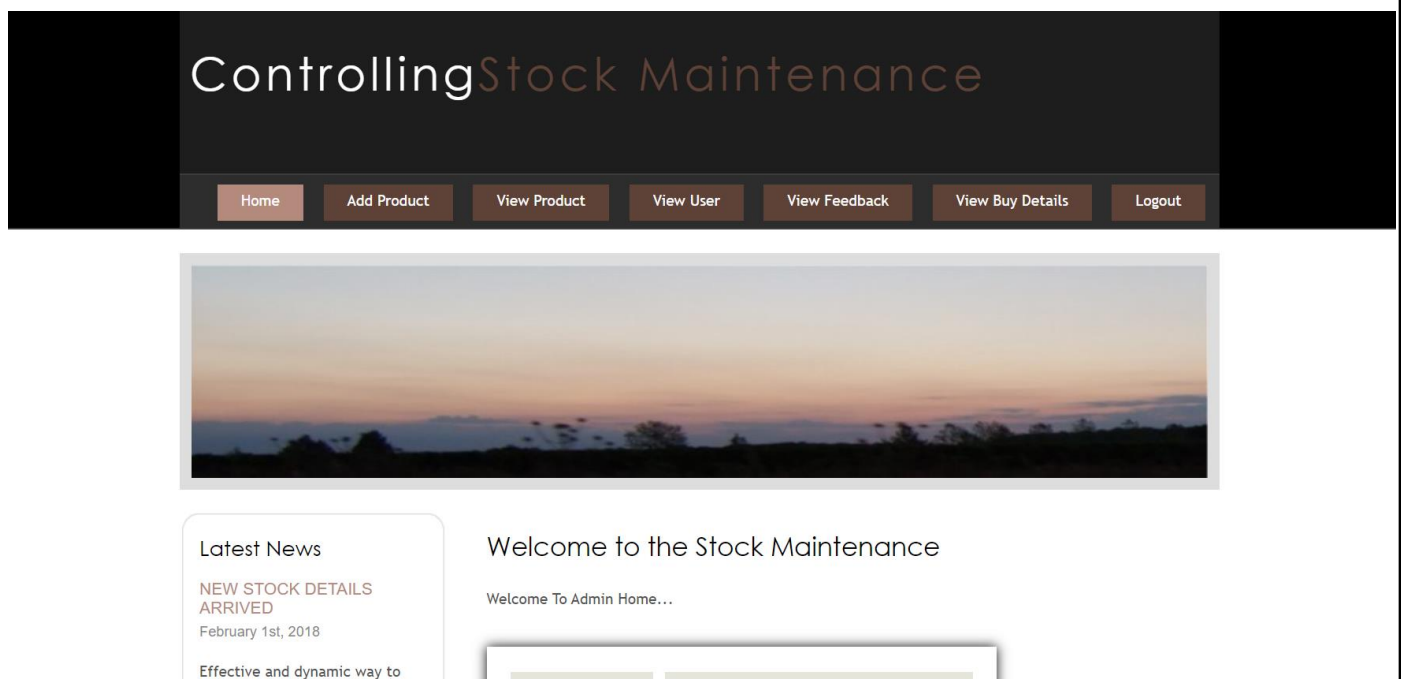
6. c.figure



6. d.figure



6. e. figure



6. f. figure

Latest News

NEW STOCK DETAILS ARRIVED
February 1st, 2018

Effective and dynamic way to maintain a inventory details to reduce the man power

[Read more](#)

Useful Links

- [Gmail](#)
- [Facebook](#)
- [Twitter](#)
- [Google plus](#)

Search

Welcome to the Stock Maintenance

Welcome To Admin Home...

Category Name

Category Type

▼

Product Name

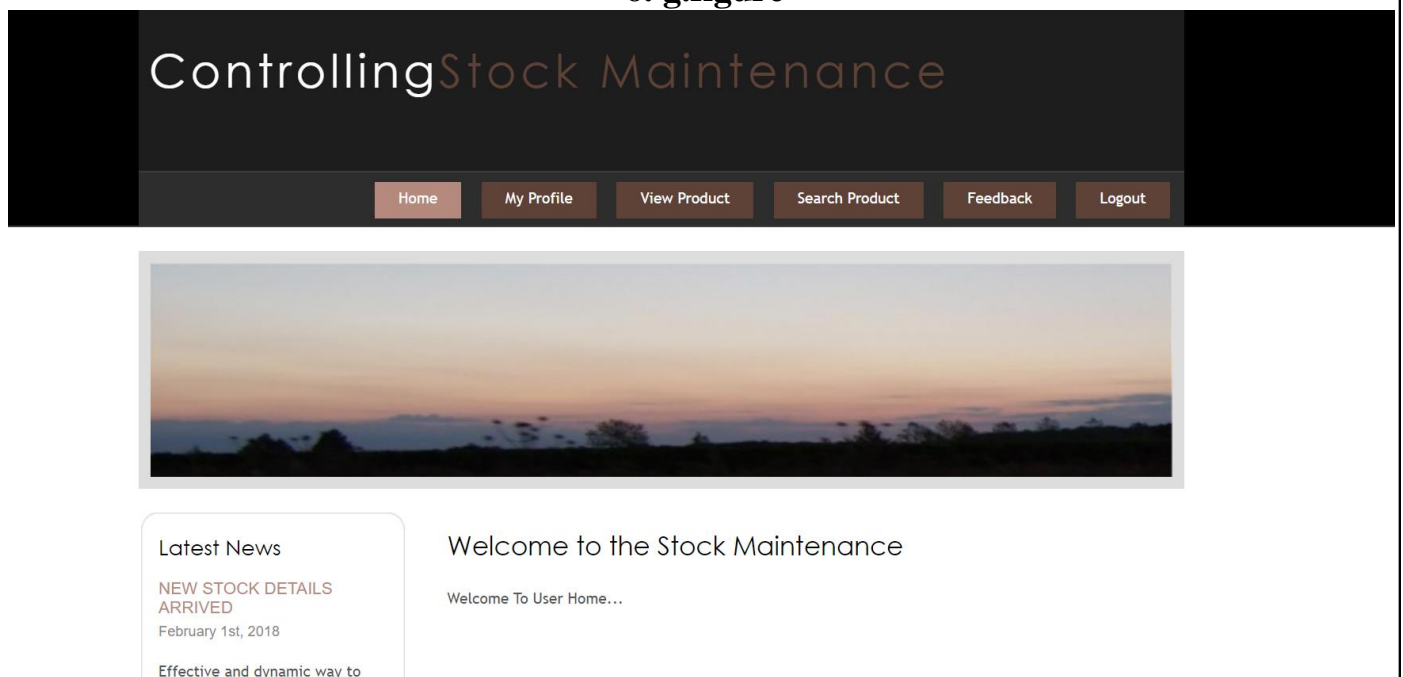
Product Price

Product Description

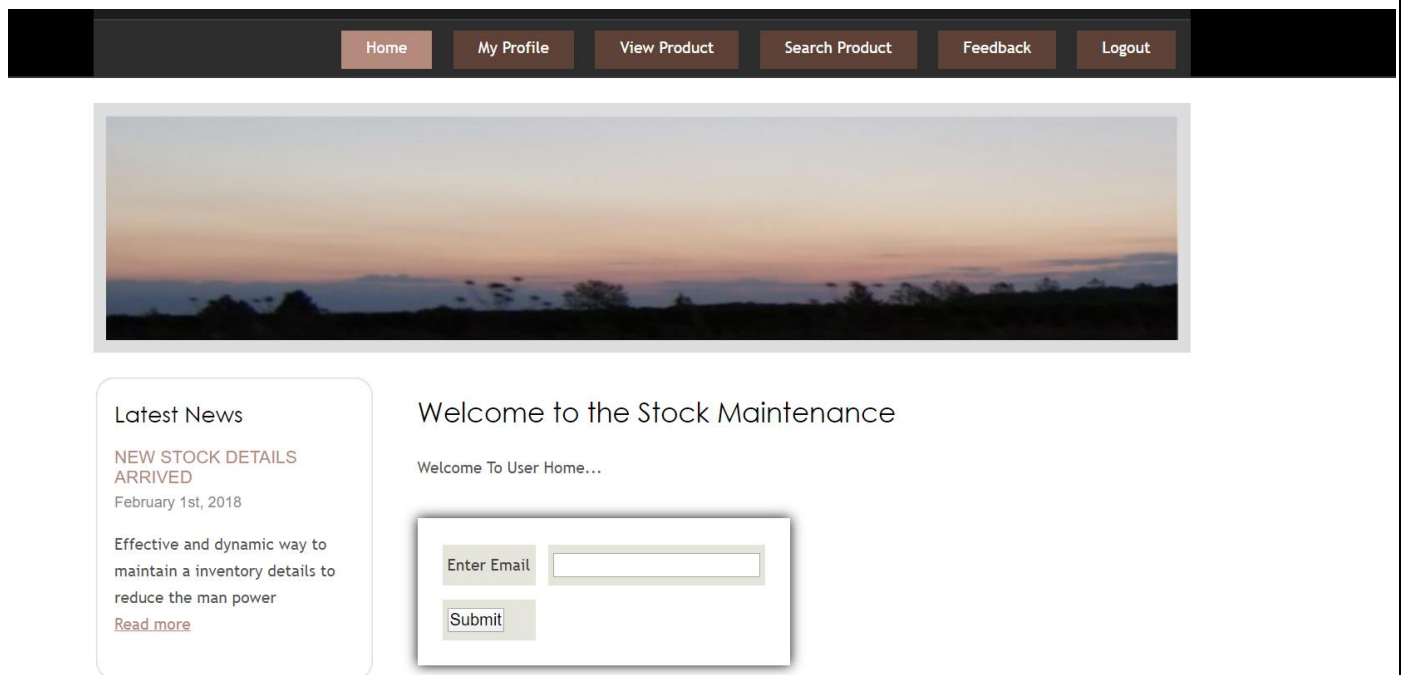
Product Image

No file chosen

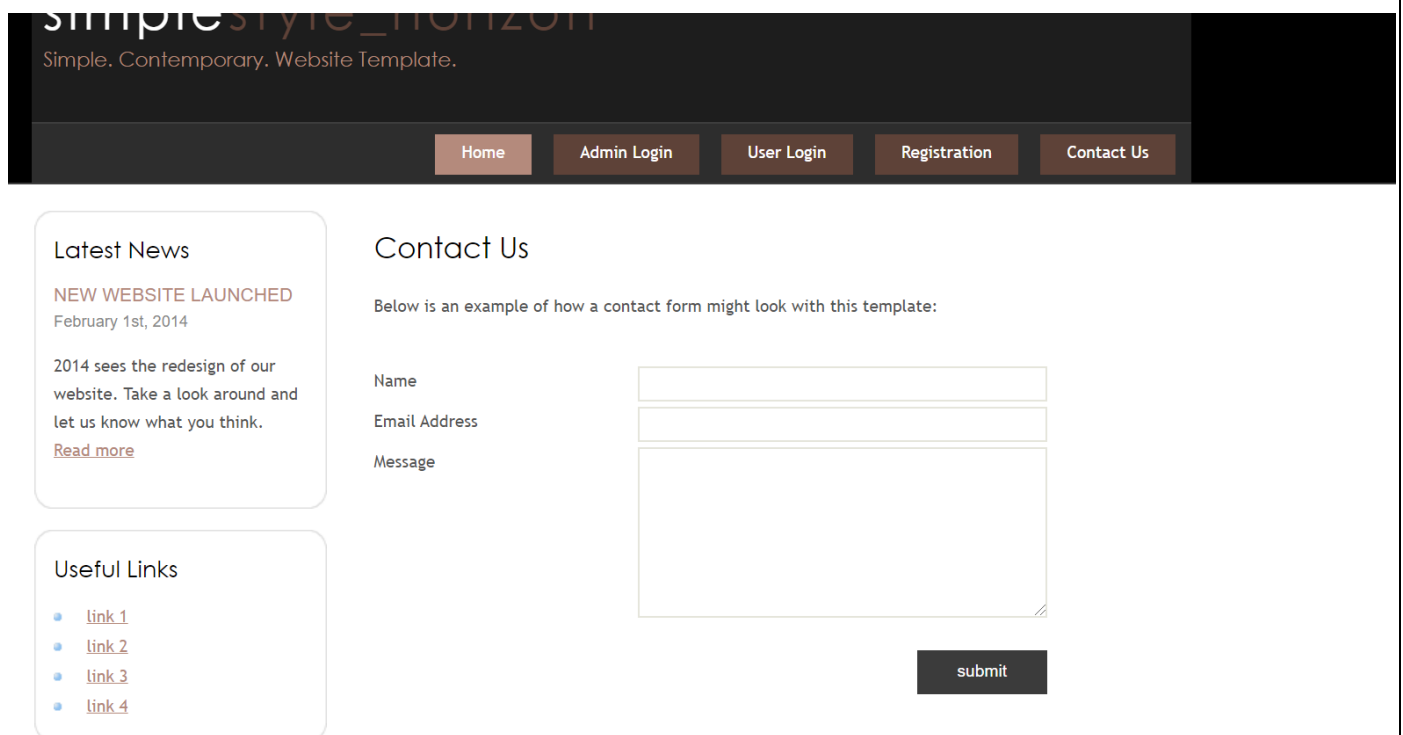
6. g.figure



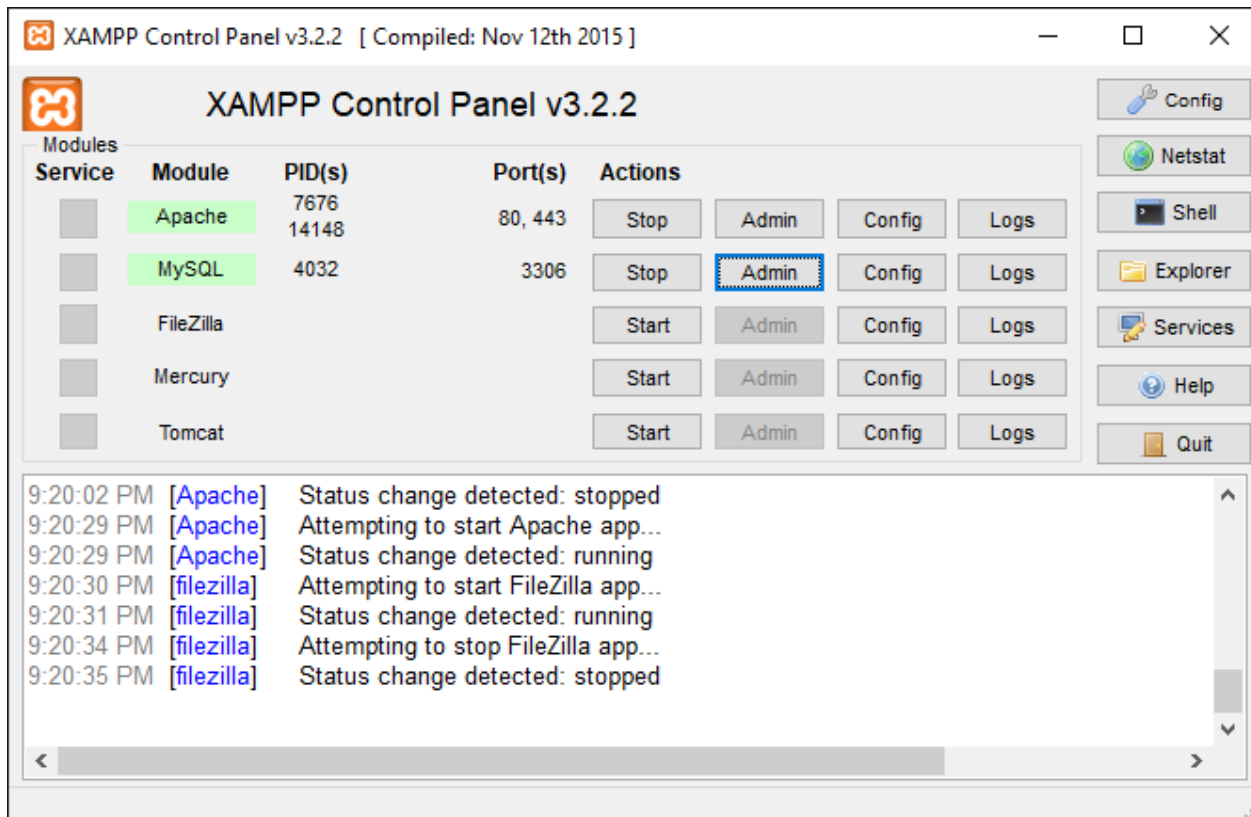
6. h.figure



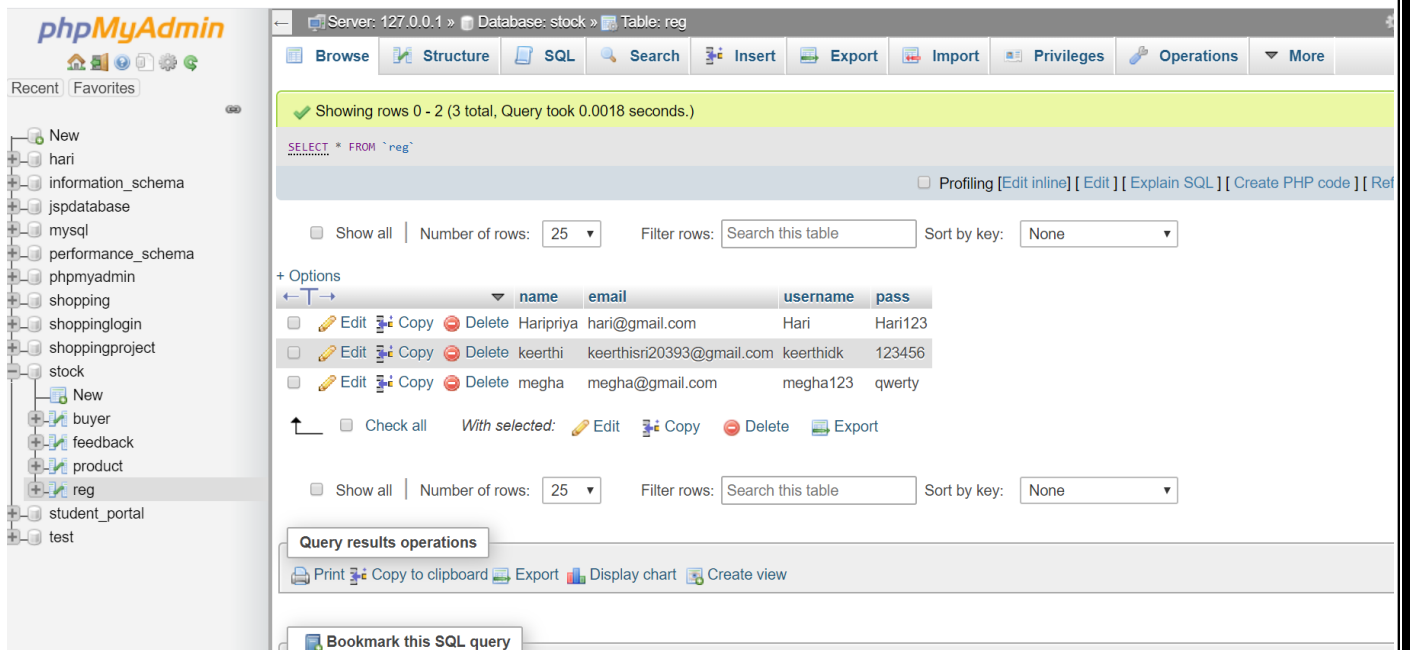
6. i.figure



6.j.figure



6. i. figure



6. 1. jFigure

7.CONCLUSION AND FUTUREWORK

The efficiency of any system designed to suit an organization depends cooperation during the implementation stage and also flexibility of the system to adopt itself to the organization.

“Stock Analyzer” has been developed to overcome the problems with traditional stock management in large scale. Advantages over traditional manual systems are online application access through out all the products from the same location, reducing the manual work, storage the data at a secured centralized locations and quick generation of reports as per our requirements.

8.REFERENCES

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