

JAVA Full Stack Developer

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A PROJECT REPORT

ON

“Shopping Mall Management System ”

Submitted by

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(Project Team-C)

Under the guidance of

Trainer Jayanth V.



Batch- 2021-5732

S-Prayas Pune

DECLARATION

We hereby declare that the project work entitled as “**Shopping Mall Management System**” is an authentic record of our own work carried out at JAVA Full Stack Developer Course as required for the award of Certificate and it is not copied from any source.

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ACKNOWLEDGEMENT

We feel happy in forwarding this project report as an image of sincere efforts. The successful project reflects our work, effort of our guide in giving us good information.

Our sincere thanks to our respected guide **Trainer Jayanth V.** who has been a constant source of inspiration and guiding star in achieving our goal.

We give our special thanks to **Capgemini and Edubridge** for their constant interest and constant encouragement throughout the completion of our course and project.

We express deep gratitude to all trainers and mentors who lend us their valuable support and cooperation to enable us to complete our course and project successfully.

Ms. Madhura Ramesh Atkale.

Ms. Pranita Lahu Chopade.

Ms. Pranita Sunil Jadhav.

Ms. Nikita Ashok Gadiya.

Ms. Shruti Prakash Kamble.

ABSTRACT

Customers in this era have become more informed with internet and mobile technologies. They prefer to achieve a convenient way of online shopping experience. With the Shopping Management System it becomes easier for mall owners as well customers for managing and acquiring the experience of online shopping. This report presents the Shopping Management System for shopping Mall. The project is an important area for development because of the efficiency; reliability and security of the procedures used to conduct purchasing and payments. The aim of this project work is to develop an interactive Management System which allows users to order and make necessary payments on a web-based platform. It involved phases: such as development of a front-end as user interface; the development of a database for keeping customers records, and the development of a web-based administration tool.

The System enables vendors to set up online shops, customers to browse through the shops, and a system administrator to approve and reject requests for new shops and maintain lists of shop categories. Also on the agenda is designing this system to manage the items in the shop and also help customers purchase them online without having to visit the shop physically. This Shopping Mall Management System will use the internet as the sole method for selling goods to its consumers. It maintains the details of customer payments, product receipts, addition of new customers, products and also updating, deletion for the same. It also stores the details of invoices generated by customers and payments made by them with all payments details like credit card. The primary features of the project entitled "Shopping Mall Management System" is high accuracy, design flexibility and easy availability.

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CHAPTER NO. 1

INRODUCTION:

This project is a web based shopping mall management system for various shops. The project objective is to deliver the online shopping mall management system for the Mall. Online shopping is the process whereby consumers directly buy goods or services from a seller in real-time, without an intermediary service, over the Internet. It is a form of electronic commerce. This project is an attempt to provide the advantages of online shopping to customers of a real shop. It helps buying the products in the shop anywhere through the internet by using an android device. Thus the customer will get the service of online shopping and home delivery from their favourite shop.

The central concept of the application is to allow the customer to shop virtually using the Internet and allow customers to buy the items and articles of their desire from the store. The information pertaining to the products are stores on an RDBMS at the server side (store). The Server process the customers and the items are shipped to the address submitted by them.

CHAPTER NO. 2

2.1 LITERATURE REVIEW:

Abhishek Chaturvedi et. Al[1]This paper presents an ASA-Mall Management System. Shopping centres serve many different people, in addition to to customers, retailers and owners. This paper gives a mall that can be managed by mall administrators in a more centralized fashion rather than distributed functioning of different departments. It allows the store owners at the mall to manage their stores using this system. It allows them to manage the shop's inventory its employees and other critical functions. This proposed system is an online system and hence mall administrators and shop owners can work from remote locations. This system is available at any time of the day and does not require the administrators and shop owners to be present at the mall. It provides an integrated solution to manage the mall than the use of a number of individual solutions.

P. C. Bharathy et. al[2]The paper gives the central concept of the application is to allow the customer to shop virtually using the Internet and allow customers to buy the items and articles of their desire from the store. The application enables vendors to set up online shops, customers to browse through the shops, and a system administrator to approve and reject requests for new shops and maintain lists of shop categories. Also here the agenda is to design an online shopping site to manage the items in the shop and also help customers purchase them online without having to visit the shop physically. This online shopping mall will use the internet as the sole method for selling goods to its consumers. It maintains the details of customer payments, product receipts, addition of new customers, products and also updating, deletion for the same. It also stores the details of invoices generated by customer and payments made by them with all payments details like credit card.

Yan Ha et.al[3]In this paper, This study is focused on internet shopping mall site, that enables customer more search and buy goods conveniently by getting desired products by searching by various images. To make this possible, user has to draw various diagrams, or can search pattern or diagram related images. Here the expected effects are Communications between customers and companies will increase, Improvement from mass media (TV, Radio, Newspapers, Magazines) advertisements to search advertisements, Evolve in to customized search engine and Improve from individual company to link between companies. Moreover, improvements such as taking images of goods and uploading it and find desired products by applications and search and compare prices and buying products by a smart phone.

Javier Bajo et.al[4] This paper presents a multiagent model that facilitates aspects of shopping mall management, as well as increasing the quality of leisure facilities and shopping on offer. The work presented focuses on the use of a multi agent architecture, based on the use of deliberative agents that incorporates case based planning. The architecture considers a dynamic framework, and the need to use

autonomous models that are able to evolve over time. The architecture incorporates agents whose aim is to acquire knowledge and adapt themselves to the environmental changes.

2.2 PROBLEM STATEMENT:

The goal of Shopping Mall Management System is to develop a system which will allow to work online. Goods and Services should be ordered through the internet and payment made without going to the mall or the product vendor. The goal of this application is to develop a web based interface for online retailers. The system would be easy to use and hence make the shopping experience pleasant for the users. So there is a need for an automated system that will enable processing and delivering of product through online system.

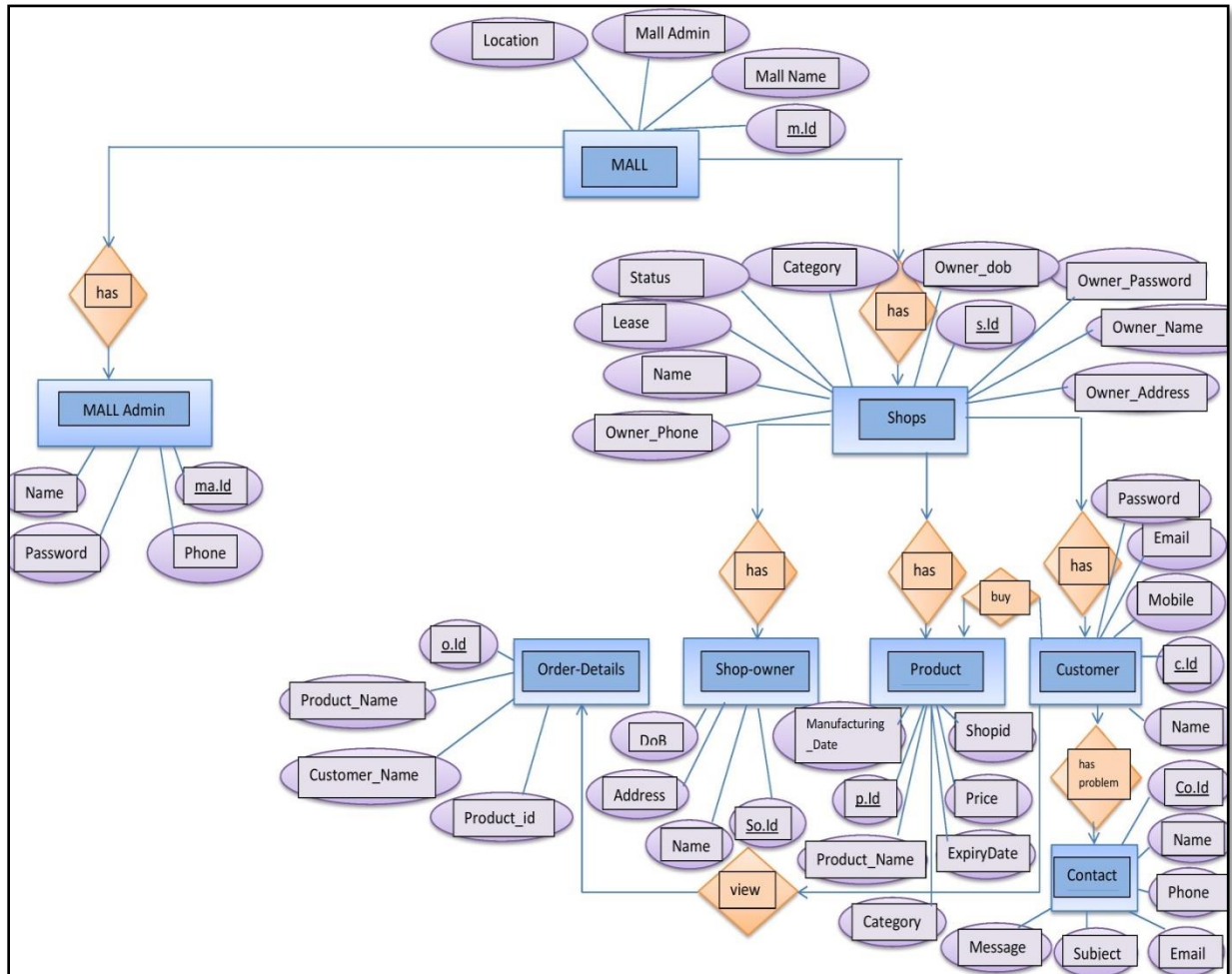
• OBJECTIVES

1. To study previous architectures from literature review.
2. To finalize Entities suitable for our system.
3. To draw ER and Schema Diagram.
4. To offer a framework architecture.

CHAPTER NO. 3

METHODOLOGY

ER Diagram:



Software Requirements:

Front end: Java/J2EE technologies (Servlet, JSP), HTML, CSS, Bootstrap, JDBC.

Back end: MySQL.

Server: ApacheTomcatv8.0V

IDE: Eclipse IDE for Java EE Developers

Browser: Google Chrome

Operating System: Window 10.

DataBase:

create database Mall4U;

use Mall4U;

Table name: shops

```
CREATE TABLE `shops` (  
  `id` int(3) NOT NULL,  
  `category` varchar(30) NOT NULL,  
  `name` varchar(100) NOT NULL,  
  `status` varchar(30) DEFAULT 'open',  
  `lease` varchar(30) DEFAULT '10000',  
  `owner_name` varchar(255) NOT NULL,  
  `owner_address` varchar(255) NOT NULL,  
  `owner_dob` varchar(30) NOT NULL,  
  `owner_phone` varchar(30) NOT NULL,  
  `owner_password` varchar(255) NOT NULL,  
  PRIMARY KEY (`id`)  
);
```

Table name: products

```
CREATE TABLE `products` (  
  `id` int(3) NOT NULL PRIMARY KEY,  
  `product_name` varchar(100) NOT NULL,  
  `price` varchar(100) NOT NULL,  
  `manufacturing_date` varchar(100) NOT NULL,  
  `expiry_date` varchar(100) NOT NULL,  
  `category` varchar(100) NOT NULL,  
  `shop_id` int(3),  
  FOREIGN KEY (`shop_id`) REFERENCES shops(`id`) ON DELETE CASCADE
```

);

Table name: customers

```
CREATE TABLE `customers` (  
  `id` int(3) NOT NULL PRIMARY KEY,  
  `name` varchar(100) NOT NULL,  
  `mobile` varchar(100) NOT NULL,  
  `email` varchar(100) NOT NULL,  
  `password` varchar(100) NOT NULL  
);
```

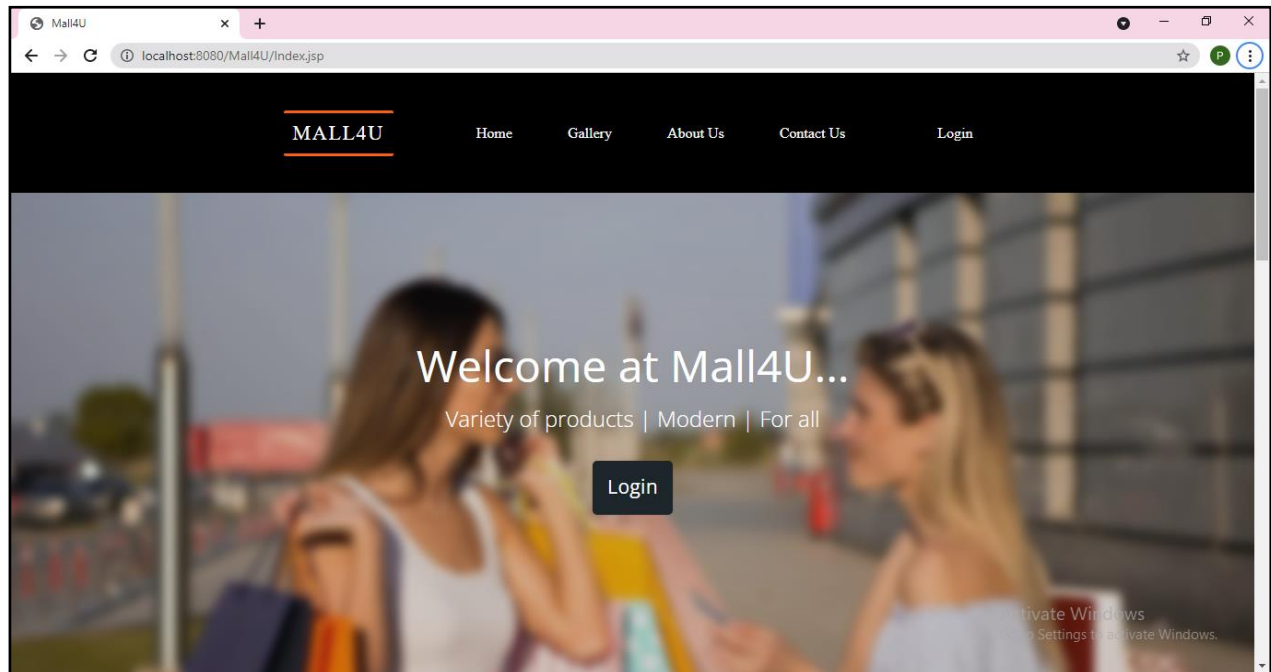
Table name: orders

```
CREATE TABLE `orders` (  
  `id` int(3) NOT NULL PRIMARY KEY,  
  `product_name` varchar(100) NOT NULL,  
  `price` varchar(100) NOT NULL,  
  `customer_name` varchar(100) NOT NULL,  
  `customer_id` int(3),  
  `product_id` int(3)  
);
```

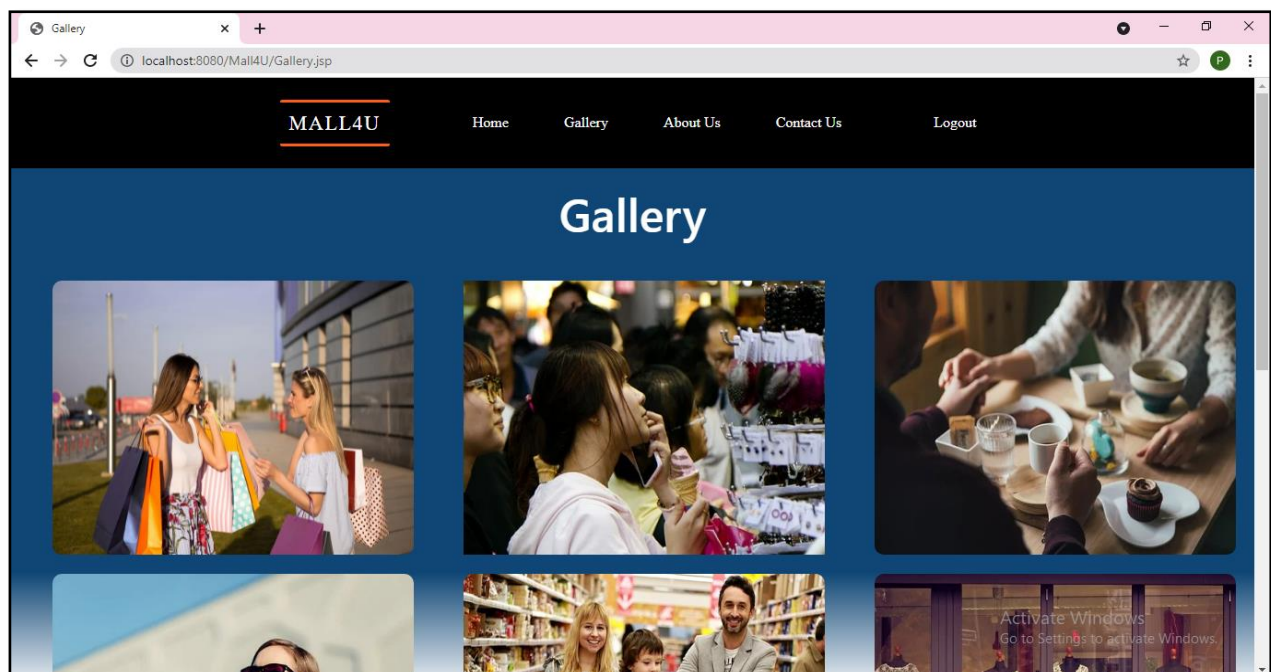
Modules and Description of Shopping Mall Management System Project:

Screenshots:

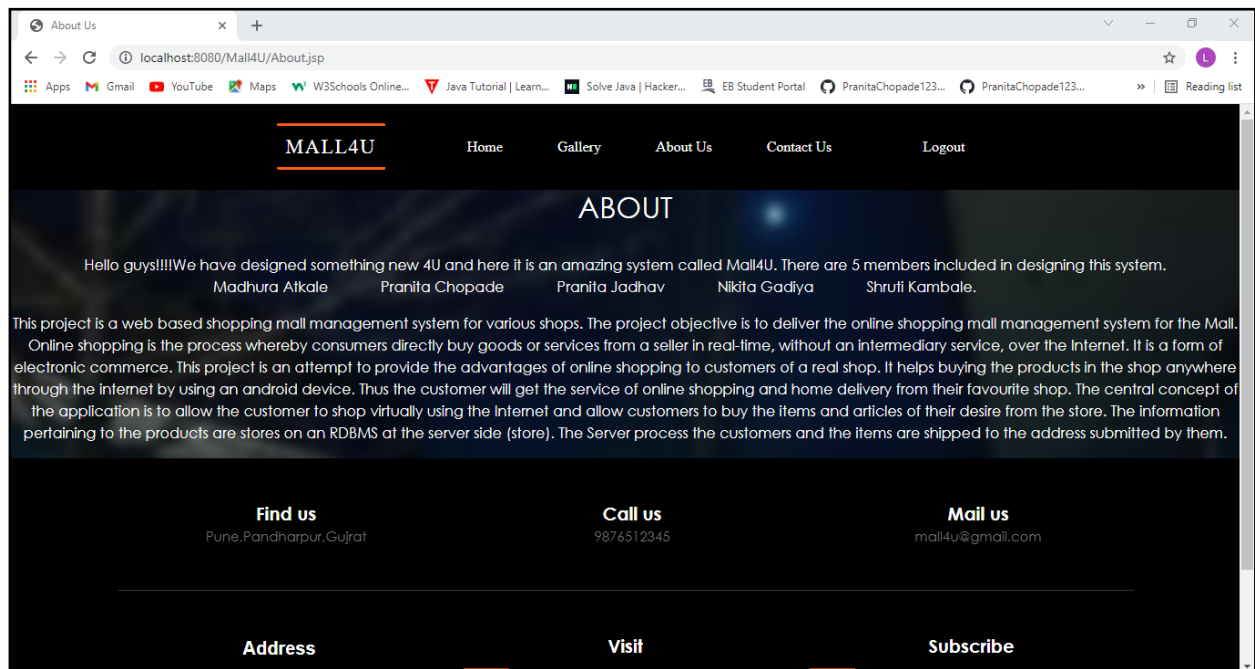
Index Page:



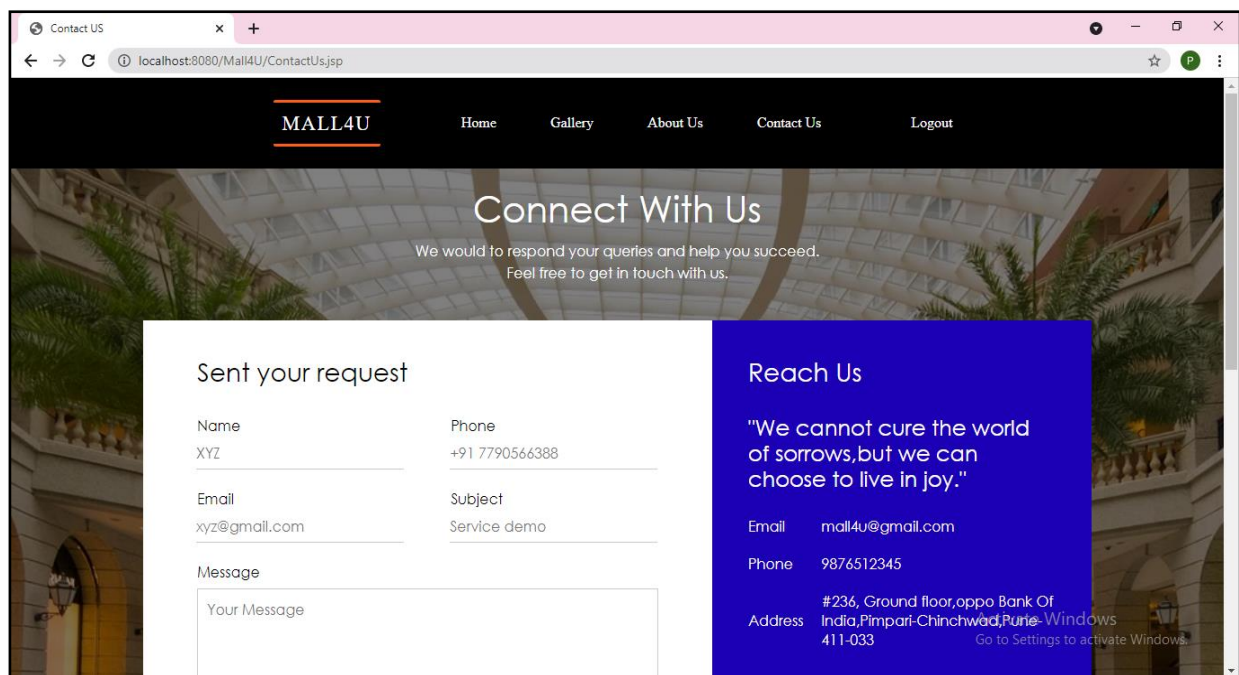
Home Page:



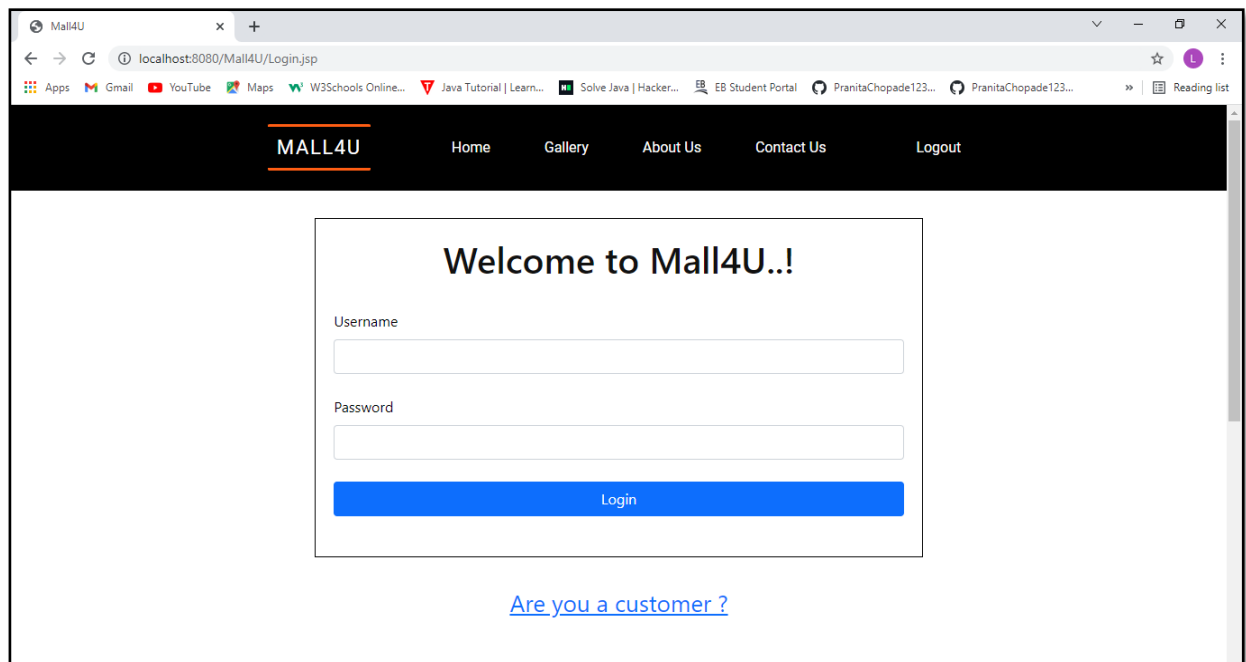
About Us:



Contact Us Page:



Home Page/Login Page:



The screenshot shows a web browser window with the address bar displaying 'localhost:8080/Mall4U/Login.jsp'. The browser's tab is labeled 'Mall4U'. The page features a black navigation bar with the 'MALL4U' logo and links for 'Home', 'Gallery', 'About Us', 'Contact Us', and 'Logout'. The main content area has a white background with a central login form. The form includes a 'Welcome to Mall4U..!' message, followed by 'Username' and 'Password' labels, each with a corresponding text input field. A blue 'Login' button is positioned below the password field. At the bottom of the form, there is a blue hyperlink that reads 'Are you a customer ?'. The browser's address bar also shows several open tabs, including 'Apps', 'Gmail', 'YouTube', 'Maps', 'W3Schools Online...', 'Java Tutorial | Learn...', 'Solve Java | Hacker...', 'EB Student Portal', and two instances of 'PranitaChopade123...'.

Mall4U

Home Gallery About Us Contact Us Logout

Welcome to Mall4U..!

Username

Password

Login

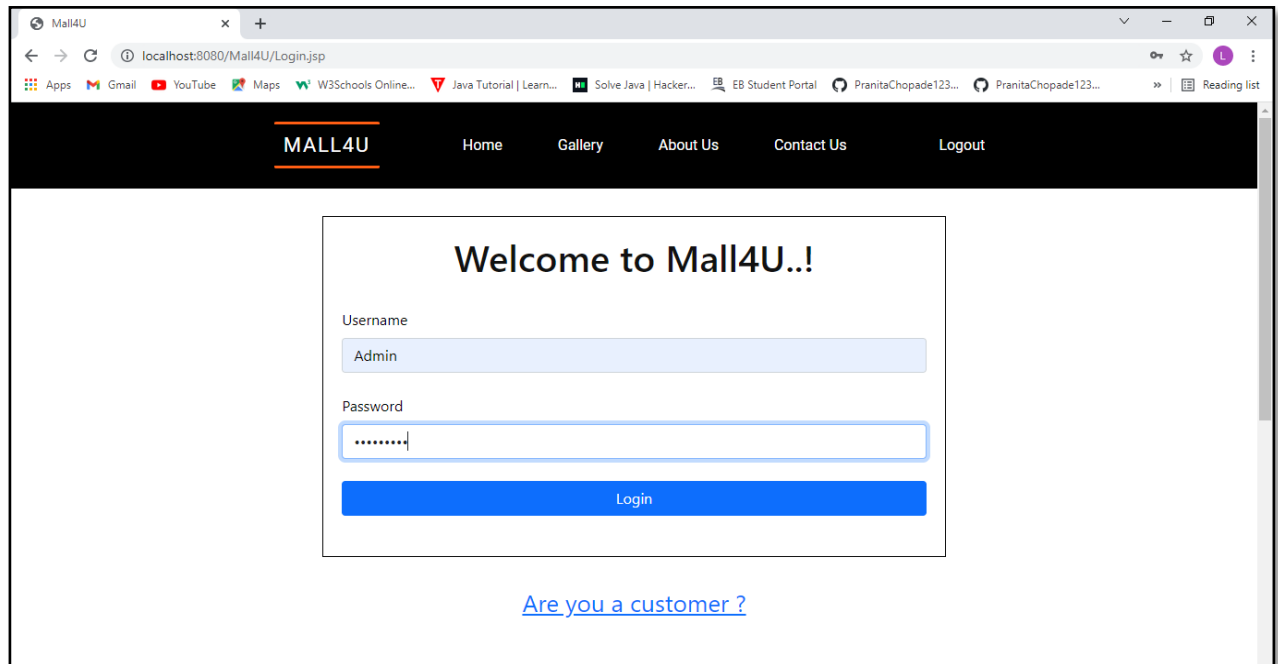
[Are you a customer ?](#)

Admin Section:

Step 1: Login

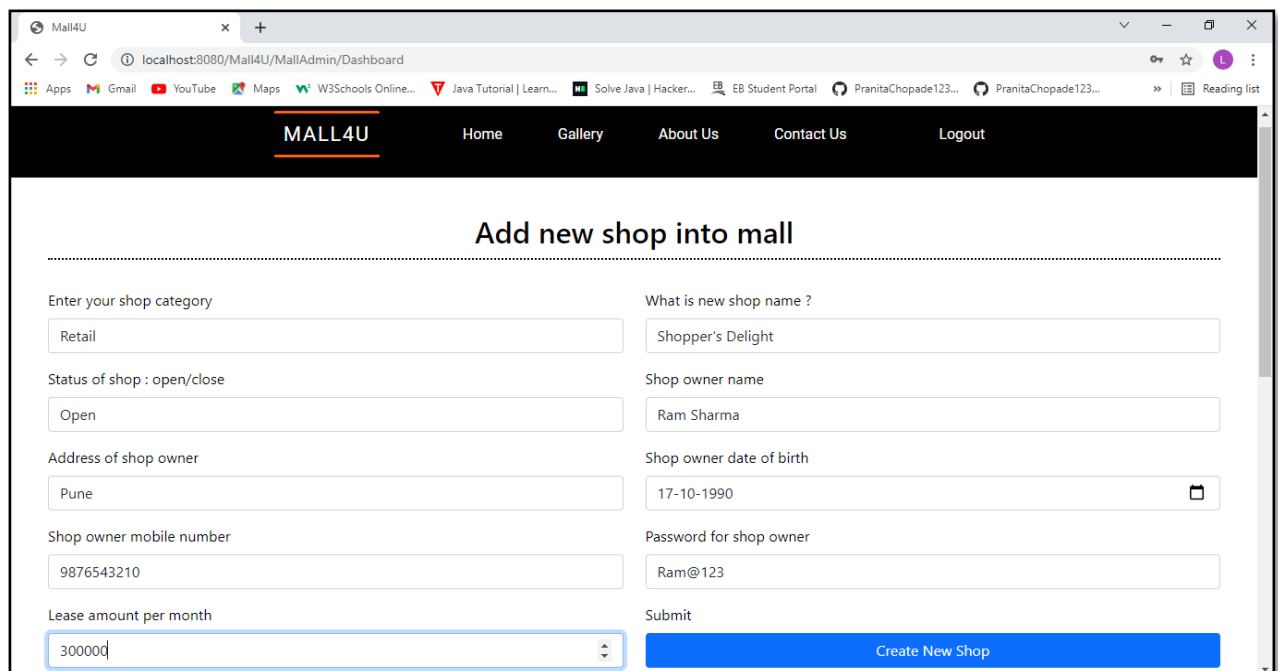
Username: Admin

Password: Admin@123



A screenshot of a web browser showing the login page for 'Mall4U'. The browser's address bar shows 'localhost:8080/Mall4U/Login.jsp'. The page has a black header with the 'MALL4U' logo and navigation links: Home, Gallery, About Us, Contact Us, and Logout. The main content area is white and features a 'Welcome to Mall4U..!' message. Below the message is a login form with two input fields: 'Username' (containing 'Admin') and 'Password' (containing masked characters). A blue 'Login' button is positioned below the password field. At the bottom of the form, there is a blue link that says 'Are you a customer ?'.

Step 2: Add shops to the mall system



A screenshot of the 'Add new shop into mall' form in the Mall4U admin dashboard. The browser's address bar shows 'localhost:8080/Mall4U/MallAdmin/Dashboard'. The page has a black header with the 'MALL4U' logo and navigation links: Home, Gallery, About Us, Contact Us, and Logout. The main content area is white and features the title 'Add new shop into mall'. Below the title is a form with two columns of input fields. The left column contains: 'Enter your shop category' (with 'Retail' selected), 'Status of shop : open/close' (with 'Open' selected), 'Address of shop owner' (with 'Pune' entered), 'Shop owner mobile number' (with '9876543210' entered), and 'Lease amount per month' (with '300000' entered). The right column contains: 'What is new shop name ?' (with 'Shopper's Delight' entered), 'Shop owner name' (with 'Ram Sharma' entered), 'Shop owner date of birth' (with '17-10-1990' entered), and 'Password for shop owner' (with 'Ram@123' entered). At the bottom right of the form is a blue 'Submit' button labeled 'Create New Shop'.

Result: Shop has been added

Available shops in your mall

Shopper's Delight

| | |
|-----------------|------------|
| 1 Category | Retail |
| 1 Status | Open |
| 1 Lease | 300000 |
| 1 Owner | Ram Sharma |
| 1 Owner address | Pune |
| 1 DOB | 1990-10-17 |
| 1 Mobile | 9876543210 |
| 1 Password | Ram@123 |

DeleteUpdate

Update Shop:

Changed from status open to close

Update shop 1

Enter your shop category
Retail

What is new shop name ?
Shopper's Delight

Status of shop : open/close
close

Shop owner name
Ram Sharma

Address of shop owner
Pune

Shop owner date of birth
17-10-1990

Shop owner mobile number
9876543210

Password for shop owner
Ram@123

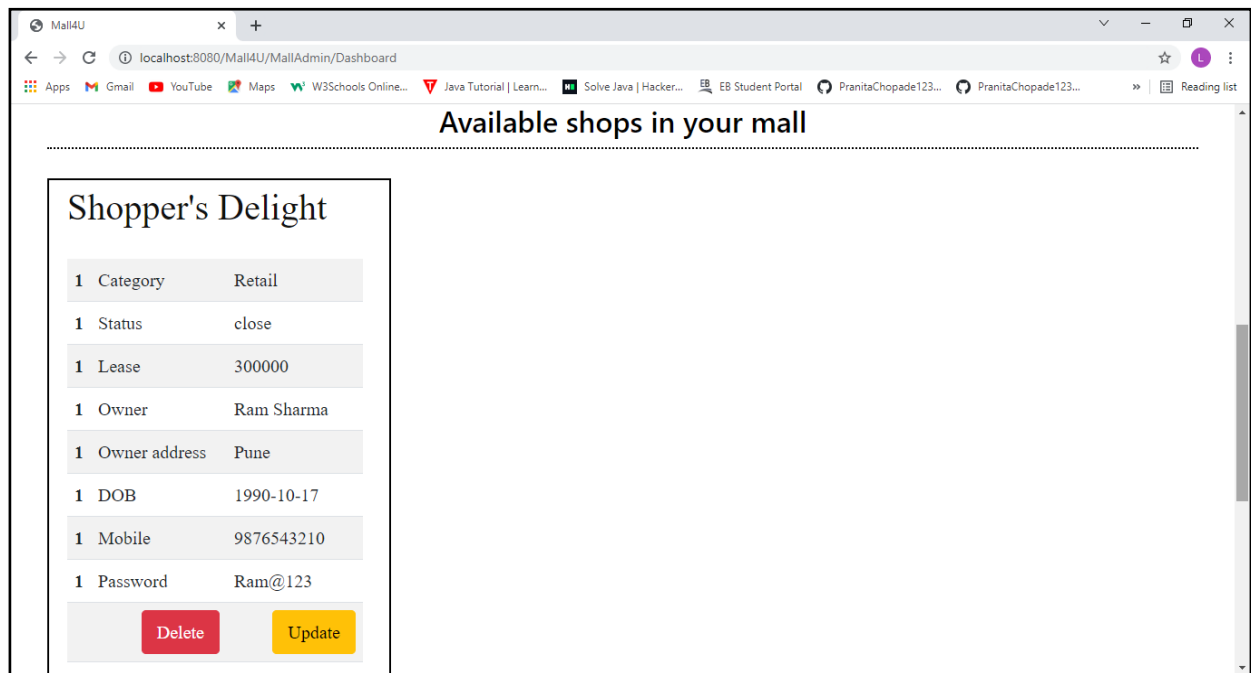
Lease amount per month
300000

Submit
Update Shop

DeleteUpdate

Close

Updated Result:



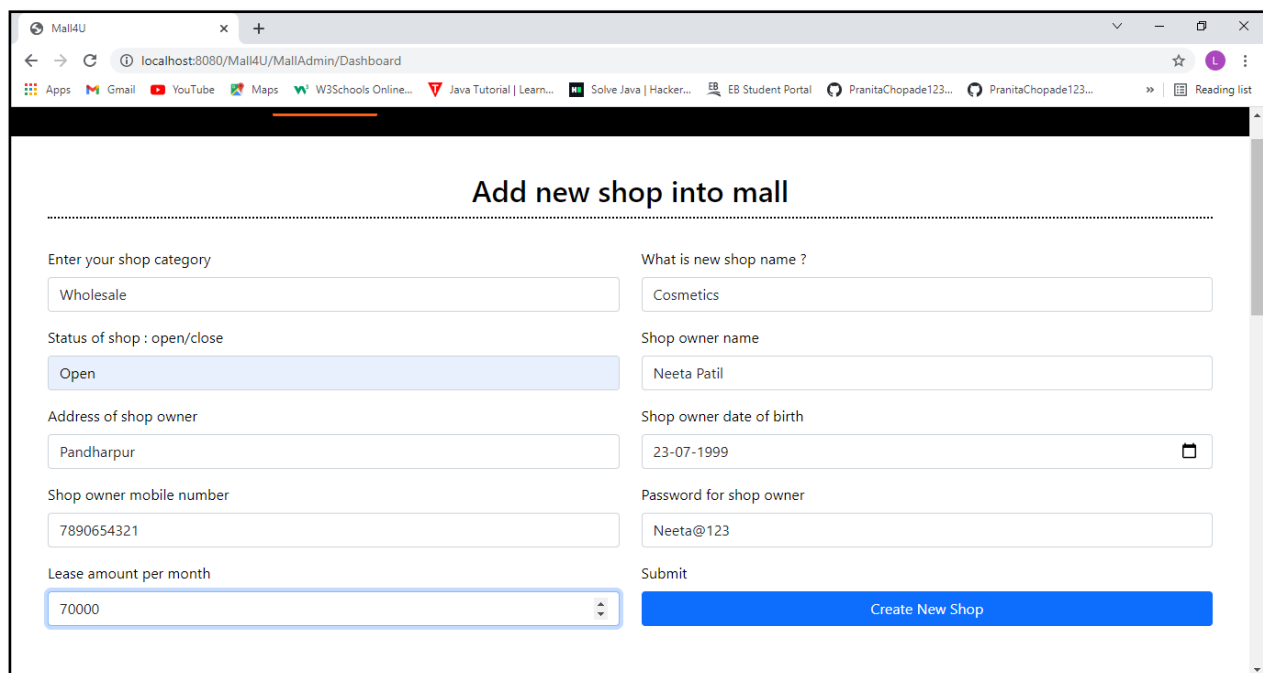
Available shops in your mall

Shopper's Delight

| | |
|-----------------|------------|
| 1 Category | Retail |
| 1 Status | close |
| 1 Lease | 300000 |
| 1 Owner | Ram Sharma |
| 1 Owner address | Pune |
| 1 DOB | 1990-10-17 |
| 1 Mobile | 9876543210 |
| 1 Password | Ram@123 |

DeleteUpdate

Example 2:



Add new shop into mall

Enter your shop category

What is new shop name ?

Status of shop : open/close

Shop owner name

Address of shop owner

Shop owner date of birth

Shop owner mobile number

Password for shop owner

Lease amount per month

Submit

Available shops in your mall

| Shopper's Delight | | Cosmetics | |
|---|------------|---|-------------|
| 1 Category | Retail | 2 Category | Wholesale |
| 1 Status | close | 2 Status | Open |
| 1 Lease | 300000 | 2 Lease | 70000 |
| 1 Owner | Ram Sharma | 2 Owner | Neeta Patil |
| 1 Owner address | Pune | 2 Owner address | Pandharpur |
| 1 DOB | 1990-10-17 | 2 DOB | 1999-07-23 |
| 1 Mobile | 9876543210 | 2 Mobile | 7890654321 |
| 1 Password | Ram@123 | 2 Password | Neeta@123 |
| <input type="button" value="Delete"/> <input type="button" value="Update"/> | | <input type="button" value="Delete"/> <input type="button" value="Update"/> | |

Update shop name from Cosmetics to Fashion pie in shop 2

Available shops in your mall

| Shopper's Delight | |
|---|------------|
| 1 Category | Retail |
| 1 Status | close |
| 1 Lease | 300000 |
| 1 Owner | Ram Sharma |
| 1 Owner address | Pune |
| 1 DOB | 1990-10-17 |
| 1 Mobile | 9876543210 |
| 1 Password | Ram@123 |
| <input type="button" value="Delete"/> <input type="button" value="Update"/> | |

Update shop 2

Enter your shop category:

What is new shop name?:

Status of shop : open/close:

Shop owner name:

Address of shop owner:

Shop owner date of birth:

Shop owner mobile number:

Password for shop owner:

Lease amount per month:

Submit:

Result:

The screenshot shows a web browser window with the URL `localhost:8080/Mall4U/MallAdmin/Dashboard`. The page displays two shop details side-by-side. Each shop has a form with fields for Category, Status, Lease, Owner, Owner address, DOB, Mobile, and Password, along with Delete and Update buttons.

| Shopper's Delight | |
|---|------------|
| 1 Category | Retail |
| 1 Status | close |
| 1 Lease | 300000 |
| 1 Owner | Ram Sharma |
| 1 Owner address | Pune |
| 1 DOB | 1990-10-17 |
| 1 Mobile | 9876543210 |
| 1 Password | Ram@123 |
| <button>Delete</button> <button>Update</button> | |

| Fashion Pie | |
|---|-------------|
| 2 Category | Wholesale |
| 2 Status | Open |
| 2 Lease | 70000 |
| 2 Owner | Neeta Patil |
| 2 Owner address | Pandharpur |
| 2 DOB | 1999-07-23 |
| 2 Mobile | 7890654321 |
| 2 Password | Neeta@123 |
| <button>Delete</button> <button>Update</button> | |

Data added into database successfully:

The screenshot shows the MySQL Workbench interface. The left sidebar contains the 'MANAGEMENT' and 'SCHEMAS' panels. The main window displays the 'Query 1' editor with the following SQL code:

```
18 ALTER TABLE `shops` ENGINE = InnoDB ;
19
20
21 select * from shops;
22
23 CREATE TABLE `products` (
24   `id` int(3) NOT NULL PRIMARY KEY,
25   `product_name` varchar(100) NOT NULL,
```

The 'Result Grid' shows the following data:

| id | category | lease | name | owner_address | owner_dob | owner_name | owner_password | owner_phone | status |
|----|-----------|--------|-------------------|---------------|------------|-------------|----------------|-------------|--------|
| 1 | Retail | 300000 | Shopper's Delight | Pune | 1990-10-17 | Ram Sharma | Ram@123 | 9876543210 | close |
| 2 | Wholesale | 70000 | Fashion Pie | Pandharpur | 1999-07-23 | Neeta Patil | Neeta@123 | 7890654321 | Open |

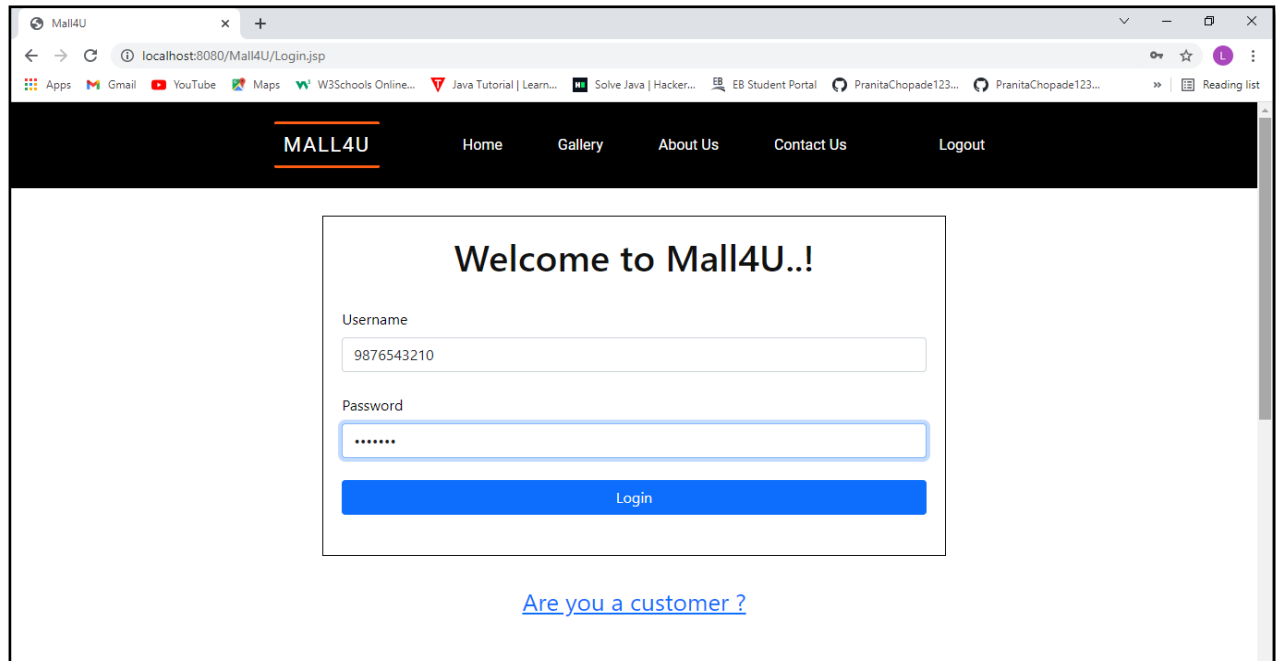
The 'Output' panel shows the following actions:

| Action | Time | Message | Duration / Fetch |
|--------|----------|-----------------------------------|---|
| 1 | 11:33:54 | drop database mall4u | 6 row(s) affected / 1.406 sec |
| 2 | 11:33:58 | create database Mall4U | 1 row(s) affected / 0.000 sec |
| 3 | 11:34:00 | use Mall4U | 0 row(s) affected / 0.000 sec |
| 4 | 11:50:46 | select * from shops LIMIT 0, 1000 | 1 row(s) returned / 0.016 sec / 0.000 sec |
| 5 | 11:54:28 | select * from shops LIMIT 0, 1000 | 2 row(s) returned / 0.000 sec / 0.000 sec |
| 6 | 11:56:12 | select * from shops LIMIT 0, 1000 | 2 row(s) returned / 0.000 sec / 0.000 sec |

Shop Owner's Section:

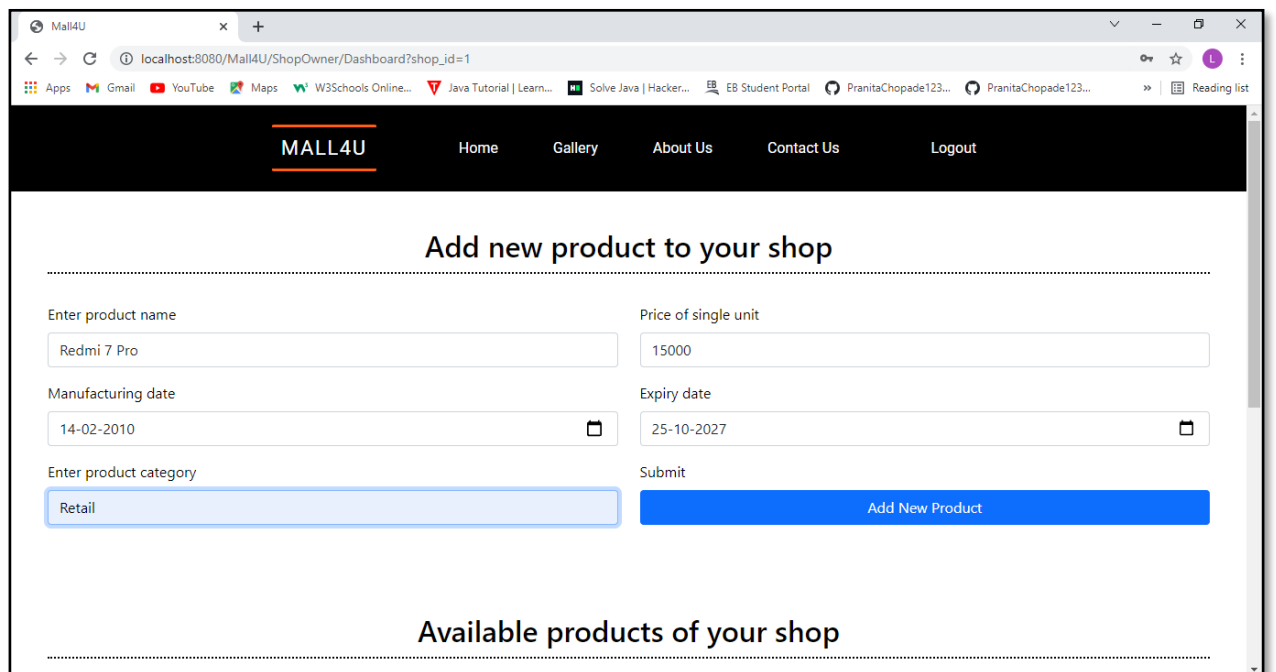
Step 1: Login

Here login is done in shop 1 using username:987654321 and password: Ram@123



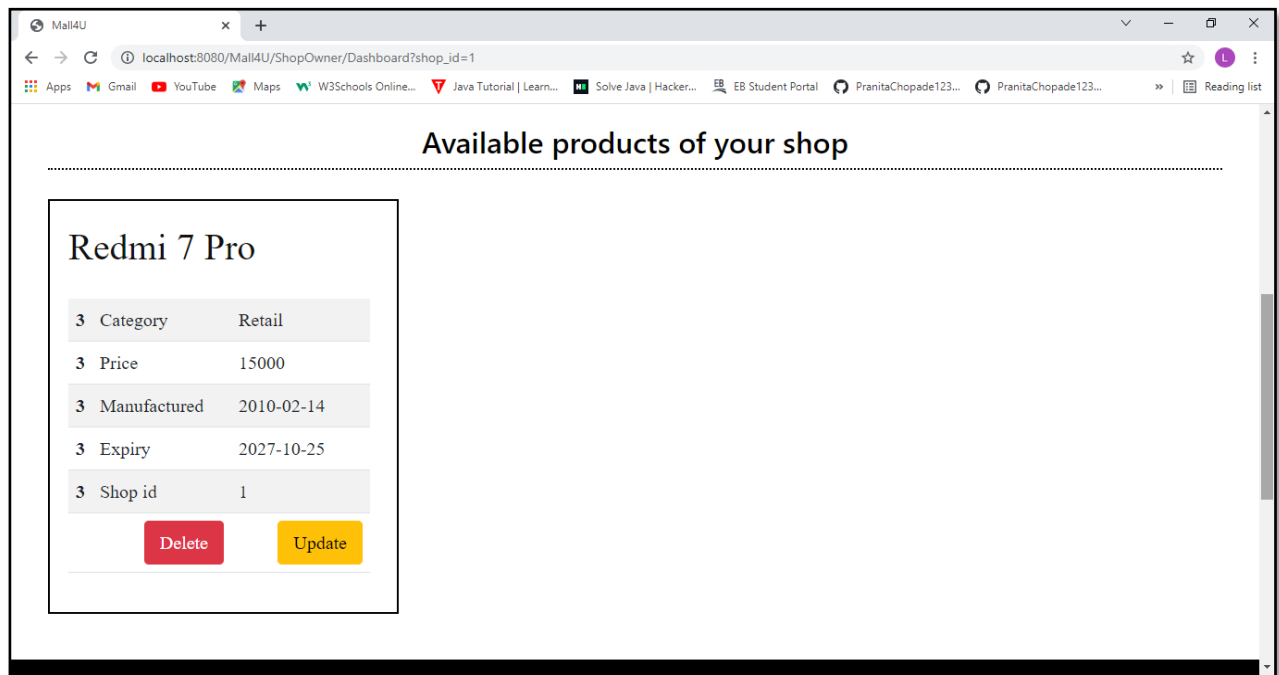
A screenshot of a web browser showing the login page for 'Mall4U'. The browser's address bar shows 'localhost:8080/Mall4U/Login.jsp'. The page has a black header with the 'MALL4U' logo and navigation links: Home, Gallery, About Us, Contact Us, and Logout. The main content area is white and contains a 'Welcome to Mall4U..!' message. Below the message is a login form with two input fields: 'Username' (containing '9876543210') and 'Password' (containing '*****'). A blue 'Login' button is positioned below the password field. At the bottom of the form, there is a blue link that says 'Are you a customer ?'.

Step 2: Product Added in shop 1

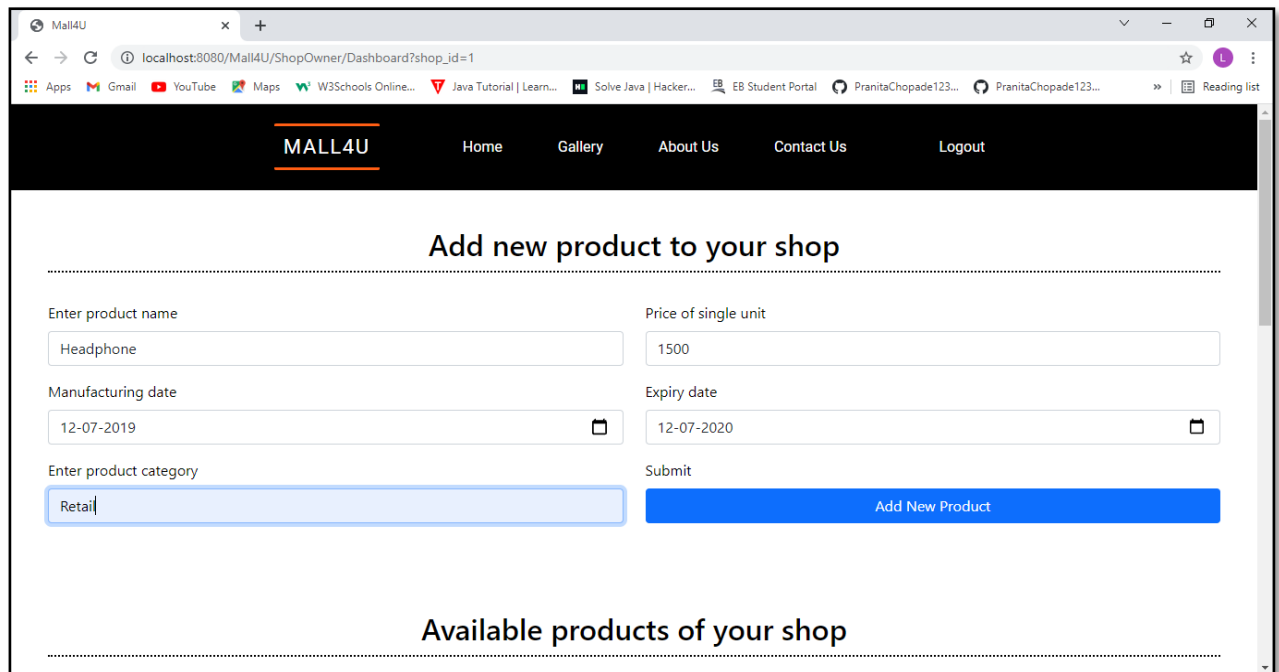


A screenshot of a web browser showing the 'Add new product to your shop' page for 'Mall4U'. The browser's address bar shows 'localhost:8080/Mall4U/ShopOwner/Dashboard?shop_id=1'. The page has a black header with the 'MALL4U' logo and navigation links: Home, Gallery, About Us, Contact Us, and Logout. The main content area is white and contains a form titled 'Add new product to your shop'. The form has several input fields: 'Enter product name' (containing 'Redmi 7 Pro'), 'Price of single unit' (containing '15000'), 'Manufacturing date' (containing '14-02-2010'), and 'Expiry date' (containing '25-10-2027'). There is also a dropdown menu for 'Enter product category' with 'Retail' selected. A blue 'Add New Product' button is located at the bottom right of the form. Below the form, there is a section titled 'Available products of your shop'.

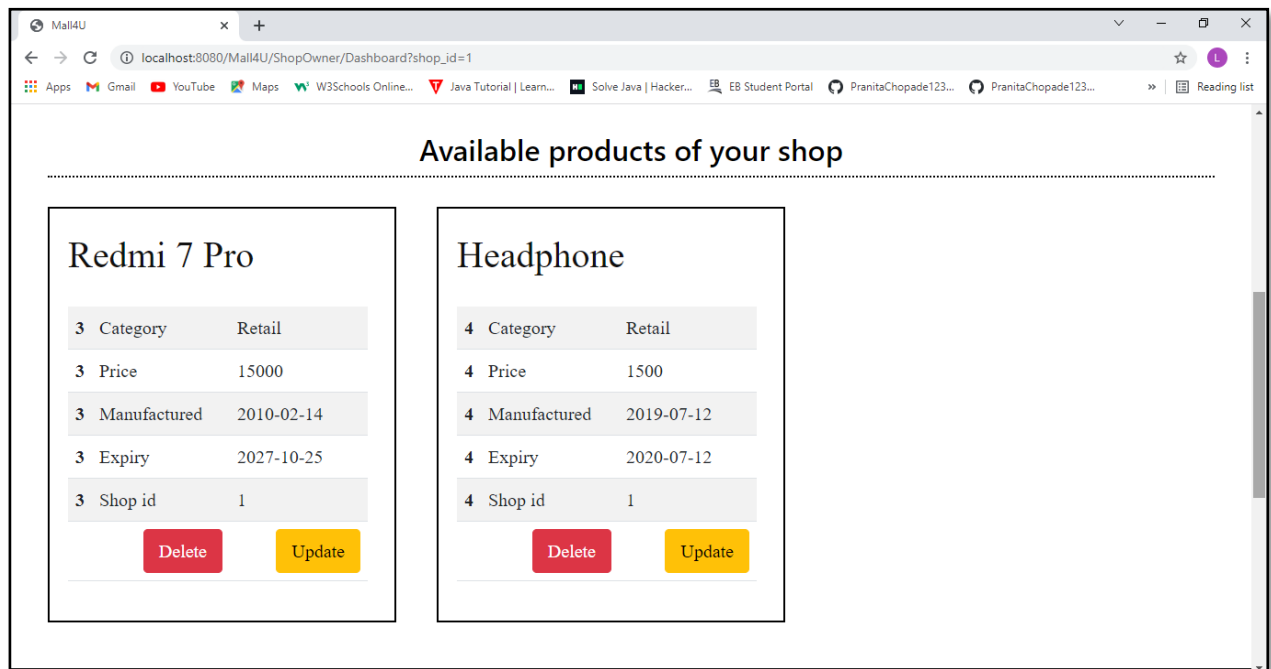
Result:



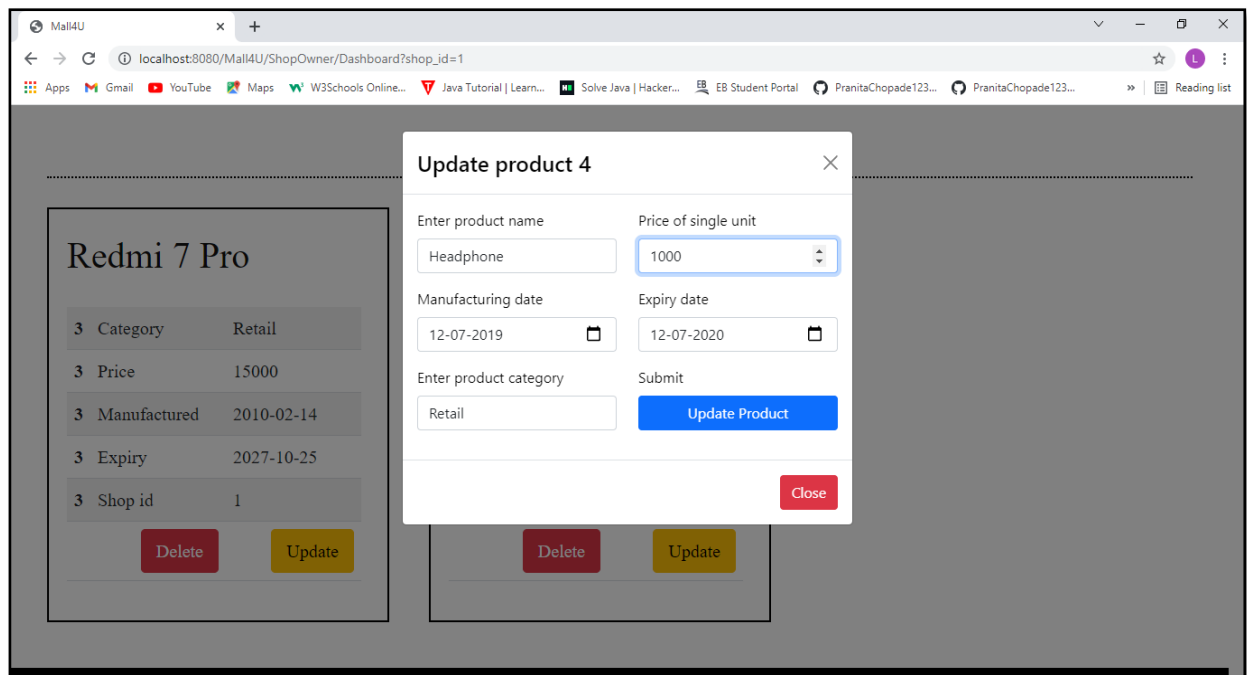
Another product added in shop 1:



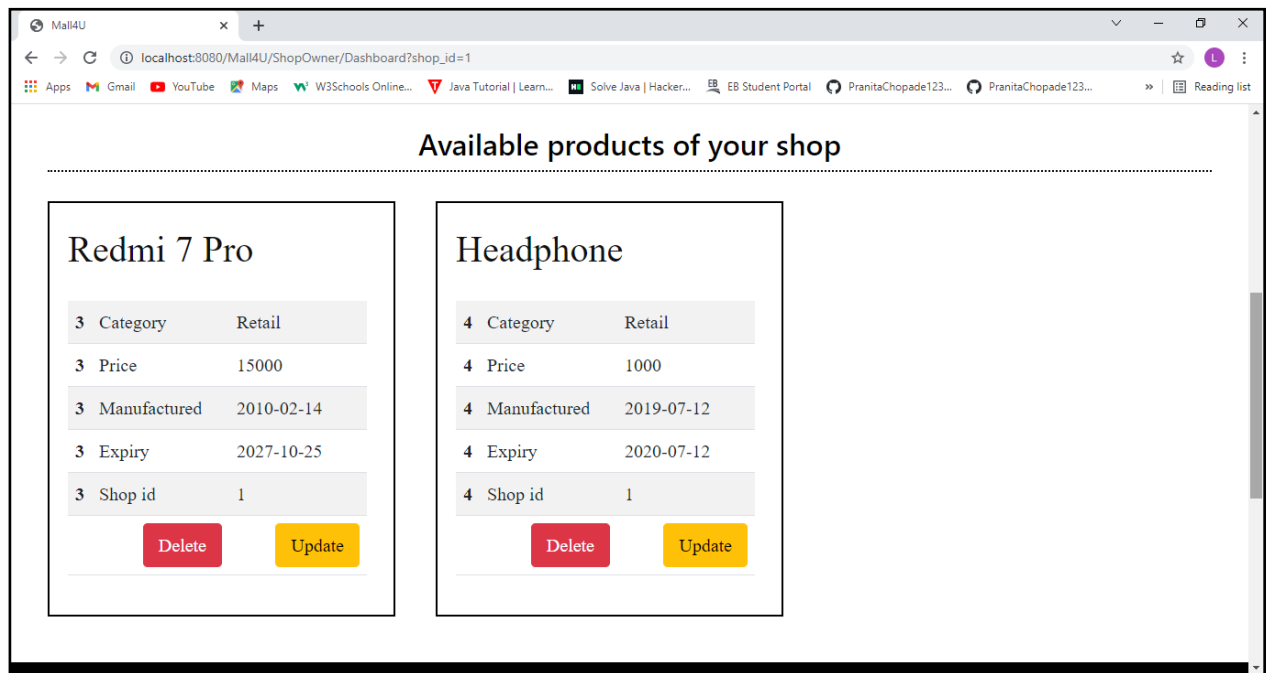
Result:



Update : Headphones price is updated to 1500 from 1000



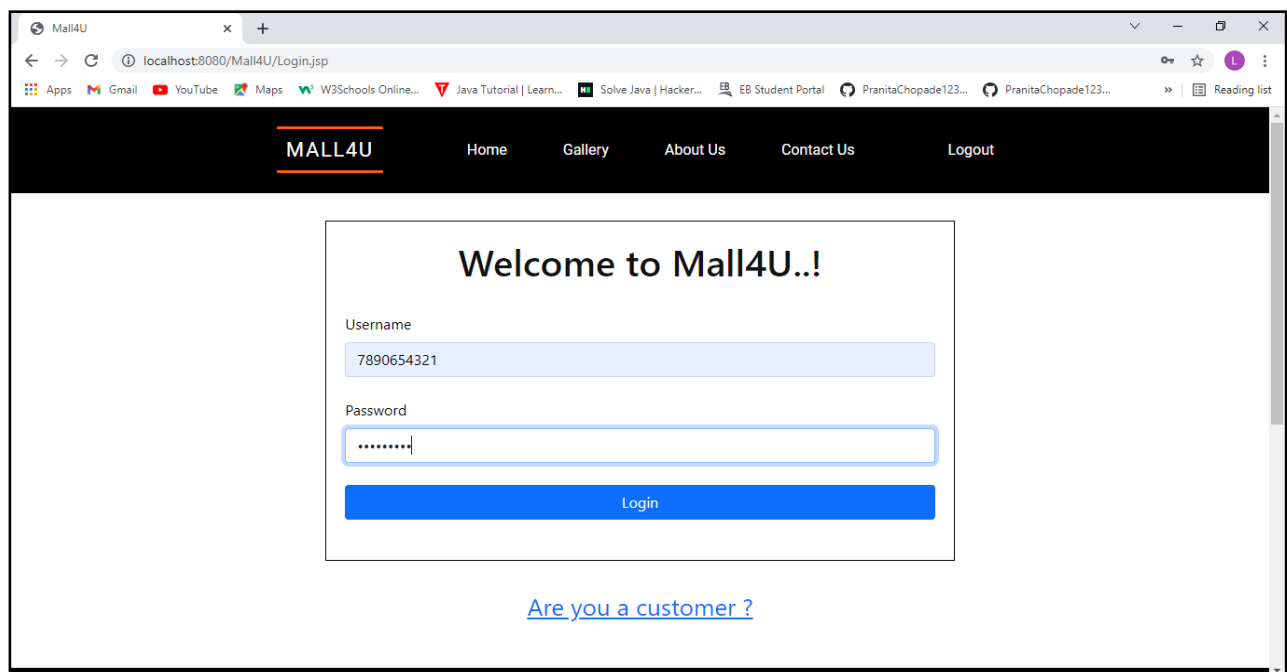
Result:



For Second Shop Owner:

Login: Username:7890654321

Password: Neeta@123



Added new product to shop 2:

The screenshot shows a web browser window with the URL `localhost:8080/Mall4U/ShopOwner/Dashboard?shop_id=2`. The page has a black header with the 'MALL4U' logo and navigation links: Home, Gallery, About Us, Contact Us, and Logout. The main content area is titled 'Add new product to your shop'. It contains a form with the following fields:

- Enter product name:** A text input field containing 'Lakme Face Cream'.
- Price of single unit:** A text input field containing '400'.
- Manufacturing date:** A date picker showing '25-09-2021'.
- Expiry date:** A date picker showing '25-09-2022'.
- Enter product category:** A dropdown menu with 'Wholesale' selected.
- Submit:** A blue button labeled 'Add New Product'.

Below the form, there is a section titled 'Available products of your shop' which is currently empty.

Result:

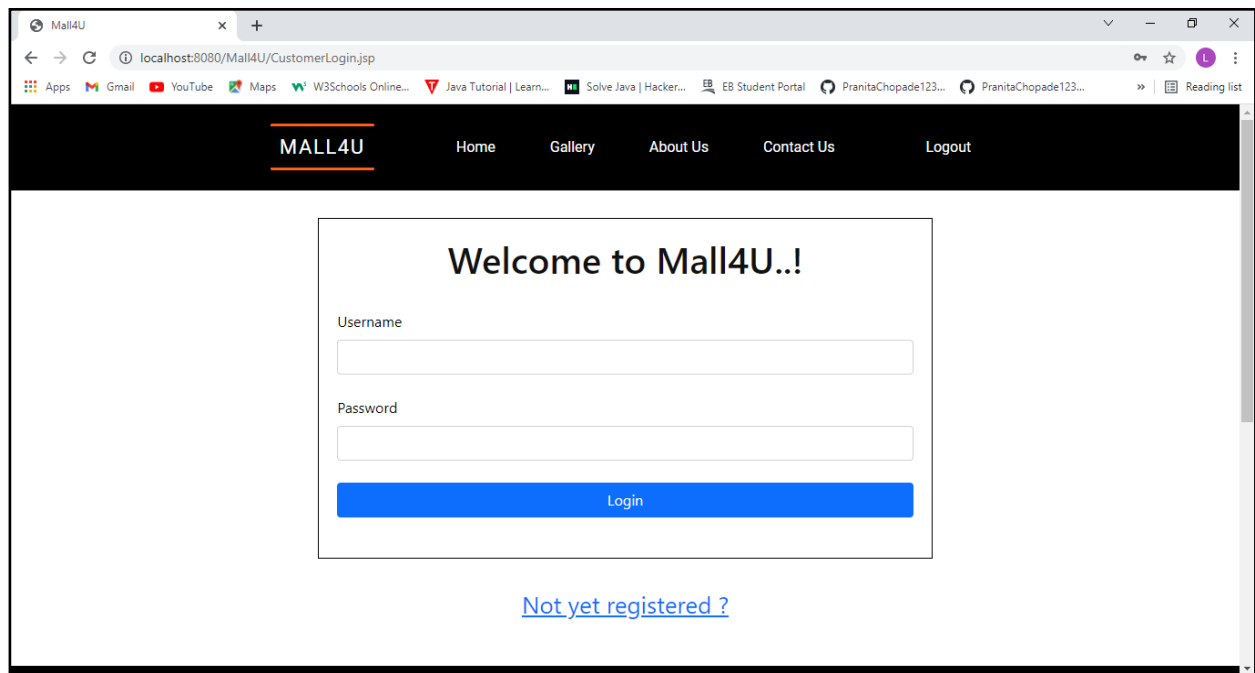
The screenshot shows the same web browser window, but now displaying the details of the added product. The product name 'Lakme face Cream' is shown at the top. Below it is a table with the following data:

| | |
|----------------|------------|
| 5 Category | Wholesale |
| 5 Price | 400 |
| 5 Manufactured | 2021-09-25 |
| 5 Expiry | 2022-09-25 |
| 5 Shop id | 2 |

At the bottom of the table are two buttons: 'Delete' (red) and 'Update' (yellow). The footer of the page contains three links: 'Find us', 'Call us', and 'Mail us'.

Customer Section:

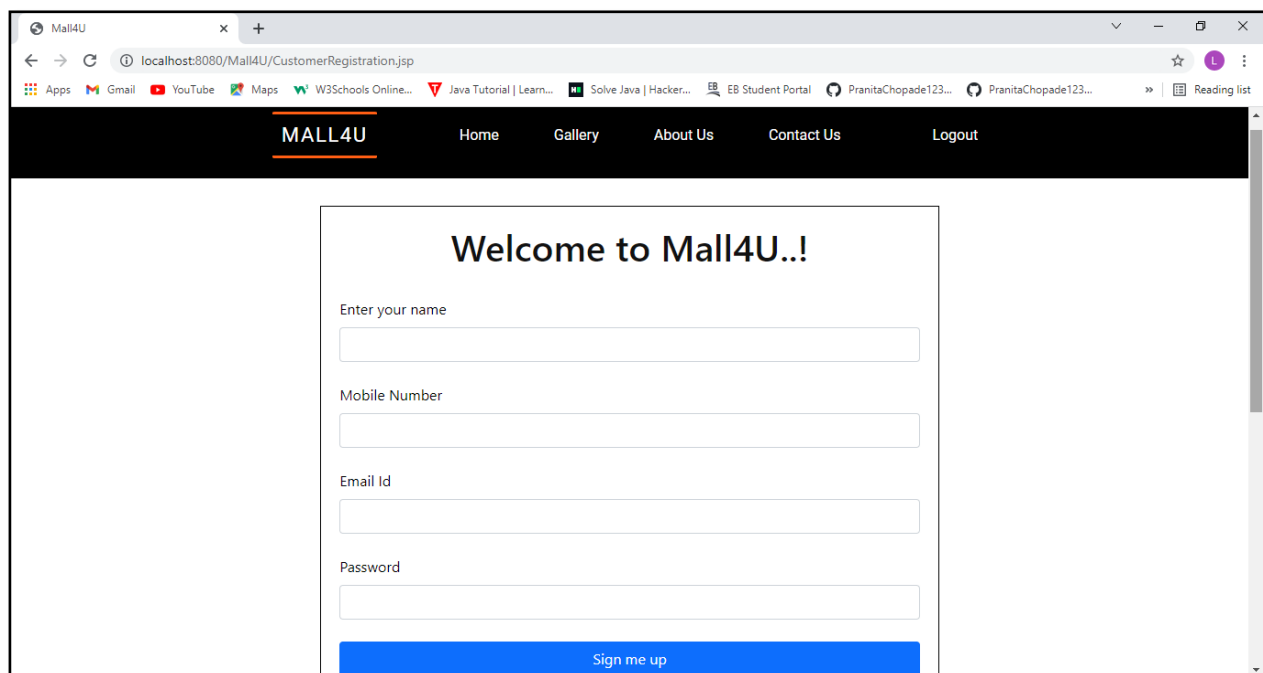
Step 1: If you are a customer then click on “Are you a Customer”



The screenshot shows a web browser window with the URL `localhost:8080/Mall4U/CustomerLogin.jsp`. The page has a black header with the **MALL4U** logo and navigation links: Home, Gallery, About Us, Contact Us, and Logout. The main content area is white and contains a login form titled "Welcome to Mall4U..!". The form has two input fields: "Username" and "Password", followed by a blue "Login" button. Below the form is a blue link that says "Not yet registered ?".

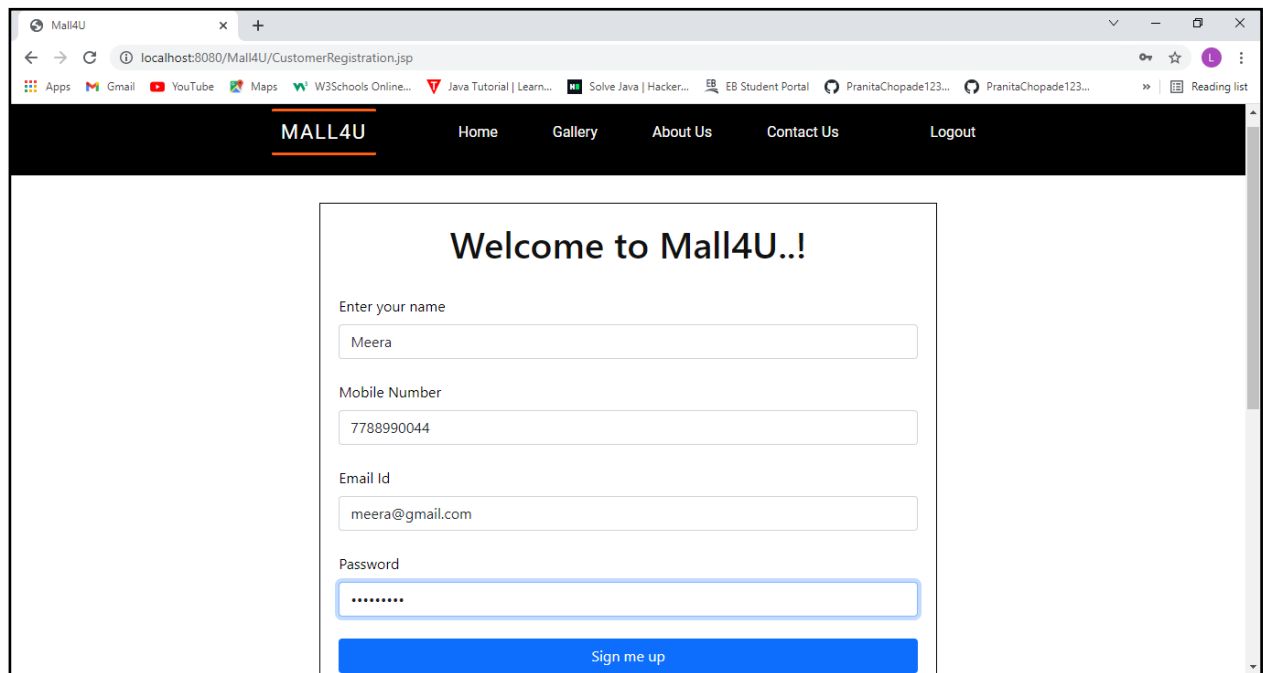
Step 2: If you are new customer then click on not yet registered

Customer Registration Page:



The screenshot shows a web browser window with the URL `localhost:8080/Mall4U/CustomerRegistration.jsp`. The page has a black header with the **MALL4U** logo and navigation links: Home, Gallery, About Us, Contact Us, and Logout. The main content area is white and contains a registration form titled "Welcome to Mall4U..!". The form has four input fields: "Enter your name", "Mobile Number", "Email Id", and "Password", followed by a blue "Sign me up" button.

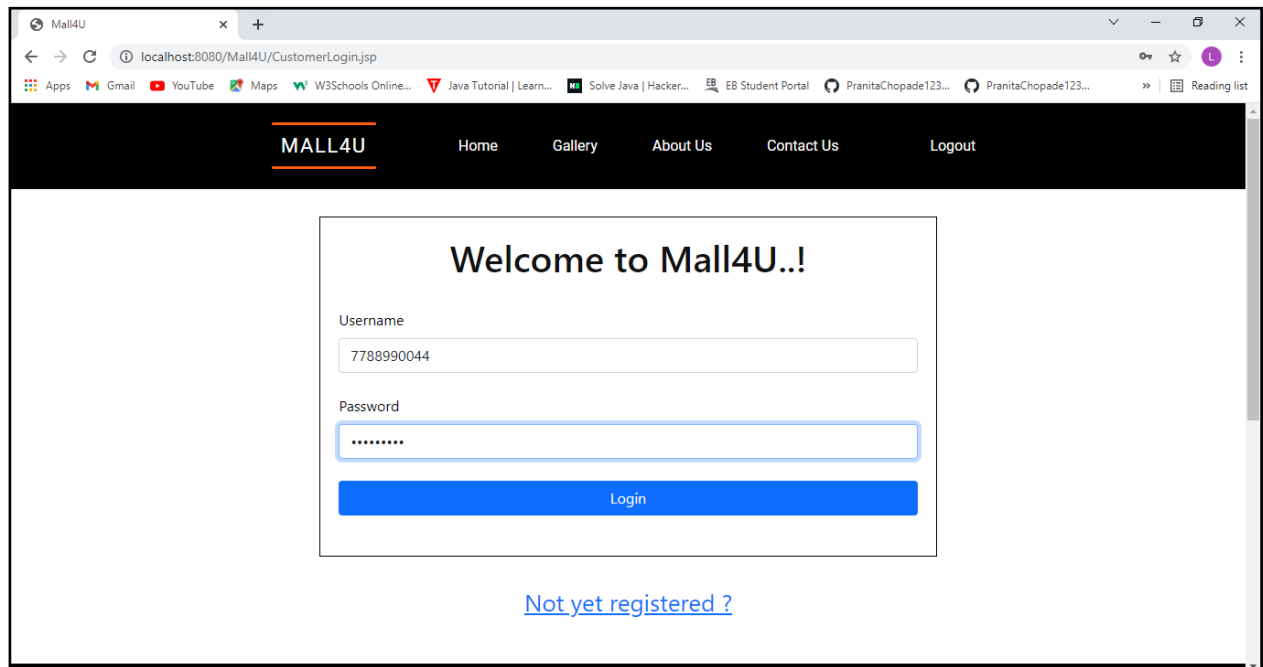
Result:



A screenshot of a web browser displaying the MALL4U Customer Registration page. The browser's address bar shows the URL `localhost:8080/Mall4U/CustomerRegistration.jsp`. The page features a black navigation bar with the MALL4U logo and links for Home, Gallery, About Us, Contact Us, and Logout. The main content area has a white background with a central registration form. The form is titled "Welcome to Mall4U..!" and contains four input fields: "Enter your name" (with "Meera" entered), "Mobile Number" (with "7788990044" entered), "Email Id" (with "meera@gmail.com" entered), and "Password" (with masked characters "*****"). A blue "Sign me up" button is positioned at the bottom of the form.

After registration do login in customer's section:

Here, Login is done using username:7788990044 and password: Meera@123



A screenshot of a web browser displaying the MALL4U Customer Login page. The browser's address bar shows the URL `localhost:8080/Mall4U/CustomerLogin.jsp`. The page features a black navigation bar with the MALL4U logo and links for Home, Gallery, About Us, Contact Us, and Logout. The main content area has a white background with a central login form. The form is titled "Welcome to Mall4U..!" and contains two input fields: "Username" (with "7788990044" entered) and "Password" (with masked characters "*****"). A blue "Login" button is positioned at the bottom of the form. Below the form, there is a blue hyperlink that reads "Not yet registered ?".

After login to customer section:

Here, you will be able to see all products present in all shops from the mall system and you can buy them as your wish.

Mall4U

localhost:8080/Mall4U/Customer/Dashboard?cust_id=6

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| Order Id | Product Id | Product Name | Price | Delete |
|----------|------------|--------------|-------|--------|
|----------|------------|--------------|-------|--------|

TOTAL : 0/-rs Checkout

Available products in Shopper's Delight

Redmi 7 Pro

3

Category

Retail

3

Price

15000

3

Manufactured

2010-02-14

3

Expiry

2027-10-25

3

Shop id

1

Buy Now

Headphone

4

Category

Retail

4

Price

1000

4

Manufactured

2019-07-12

4

Expiry

2020-07-12

4

Shop id

1

Buy Now

Mall4U

localhost:8080/Mall4U/Customer/Dashboard?cust_id=6

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Available products in Fashion Pie

Lakme face Cream

5

Category

Wholesale

5

Price

400

5

Manufactured

2021-09-25

5

Expiry

2022-09-25

5

Shop id

2

Buy Now

If you select Mobile as your product for buying purpose then it will show like this:

The screenshot shows a web browser window with the URL `localhost:8080/Mail4U/Customer/Dashboard?cust_id=6`. The page title is "Your orders". Below the title is a table with the following data:

| Order Id | Product Id | Product Name | Price | Delete |
|----------|------------|--------------|-------|------------------------|
| 7 | 3 | Redmi 7 Pro | 15000 | Delete |

Below the table, the total price is displayed as "TOTAL : 15000/-rs" with a "Checkout" button.

Below the total, the section "Available products in Shopper's Delight" is shown. It contains two product cards:

- Redmi 7 Pro**: Category: Retail, Price: 15000, Manufactured: 2010-02-14.
- Headphone**: Category: Retail, Price: 1000, Manufactured: 2019-07-12.

And I want to buy headphones also then you need to just click on Buy Now and it be added to your cart

The screenshot shows the same web browser window, but now the "Your orders" table has two rows:

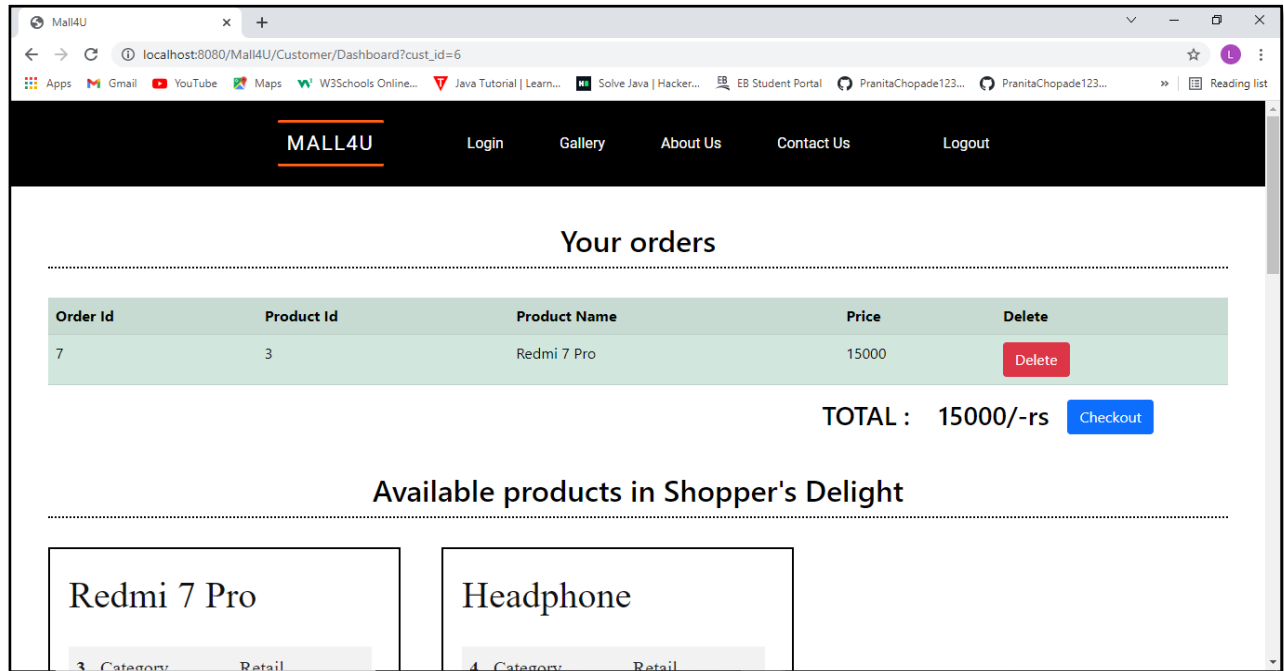
| Order Id | Product Id | Product Name | Price | Delete |
|----------|------------|--------------|-------|------------------------|
| 7 | 3 | Redmi 7 Pro | 15000 | Delete |
| 8 | 4 | Headphone | 1000 | Delete |

The total price is updated to "TOTAL : 16000/-rs" with a "Checkout" button.

The "Available products in Shopper's Delight" section remains the same, showing the Redmi 7 Pro and Headphone cards.

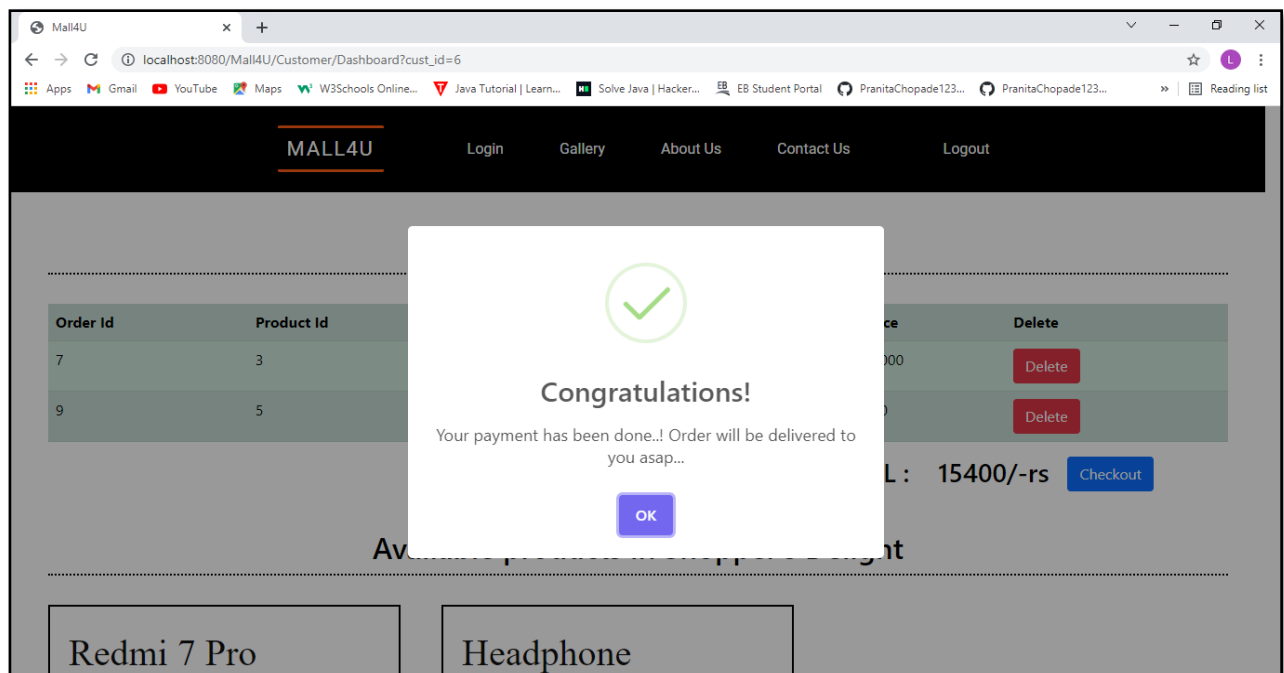
If you want to cancel your product then you just need to delete it

After delete:



and if not then you just need to click on checkout for payment purpose:

After checkout:



Advantages:

- It saves time!
- It is a very convenient system which give us the opportunity to shop 24/7 .
- Sometimes, returns are easy.
- You can see variety in products and their reasonable prices also.

Future Scope:

There is a scope for further development in our project to a great extend. A number of features can be added to this system in future like providing moderator more control over products so that each moderator can maintain their own products. Another feature we wished to implement was providing classes for customers so that different offers can be given to each class. System may keep track of history of purchases of each customer and provide suggestions based on their history. These features could have implemented unless the time did not limited us.

Conclusion:

The project entitled Online shopping system was completed successfully. The system has been developed with much care and free of errors and at the same time it is efficient and less time consuming. The purpose of this project was to develop a shopping mall management system for purchasing items from shops.

This project helped us in gaining valuable information and practical knowledge on several topics like designing web pages using html & css, usage of responsive templates and management of database using mysql . The entire system is secured. Also the project helped us understanding about the development phases of a project and software development life cycle. We learned how to test different features of a project. This project has given us great satisfaction in having designed an application which can be implemented to any nearby shops or malls by simple modifications.

References:

- [1] Chaturvedi, Abhishek, et al. "ASA-mall management system." *International Journal of Computer Science and Information Technologies* 5.2 (2014): 1821-1824.
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- [4] Bajo, Javier, et al. "SMas: a shopping mall multiagent systems." *International Conference on Intelligent Data Engineering and Automated Learning*. Springer, Berlin, Heidelberg, 2006.