

# **JAVA Full Stack Developer**

Sponsored by



## **A PROJECT REPORT**

ON

# **“Shopping Mall Management System”**

Submitted by

Ms. Madhura Ramesh Atkale (Enrollment No. EBEON0621388270)

Ms. Pranita Lahu Chopade (Enrollment No. EBEON0621386825)

Ms. Pranita Sunil Jadhav (Enrollment No. EBSRP0621384107)

Ms. Nikita Ashok Gadiya (Enrollment No. EONFWL388349)

Ms. Shruti Prakash Kamble (Enrollment No. EBEON0621388280)

(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.

# 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.

# **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.

# Index

Sr.no	Content
1.	Introduction
2.	Literature review
	Problem Statement
	Objectives
3.	Methodology
	ER Diagram
	Software Requirements
	Database
	Modules and Description
4.	Advantages
5.	Future scope
6	Conclusion
7.	References

# 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

### 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.

## **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.

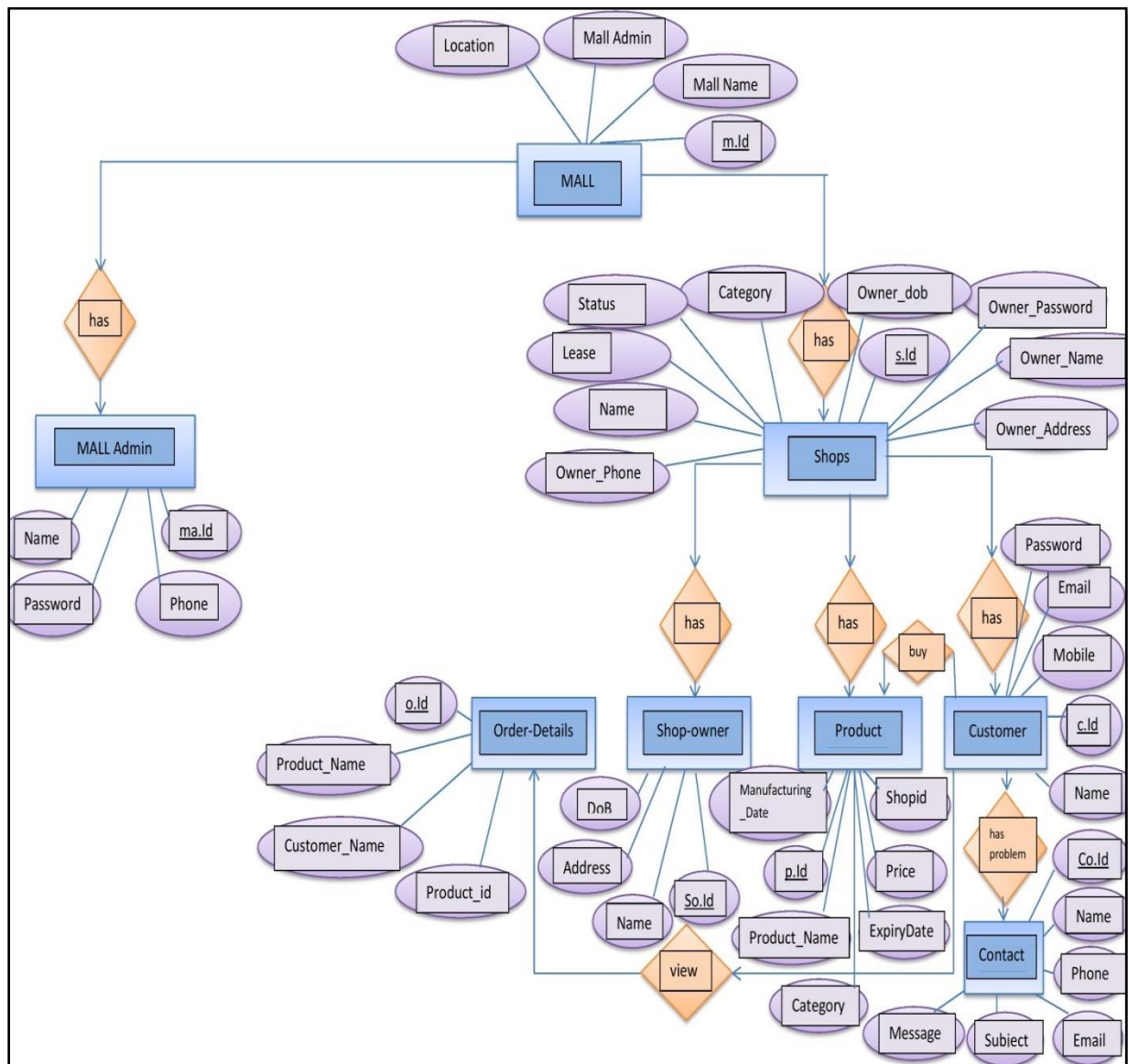
## **OBJECTIVES**

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**

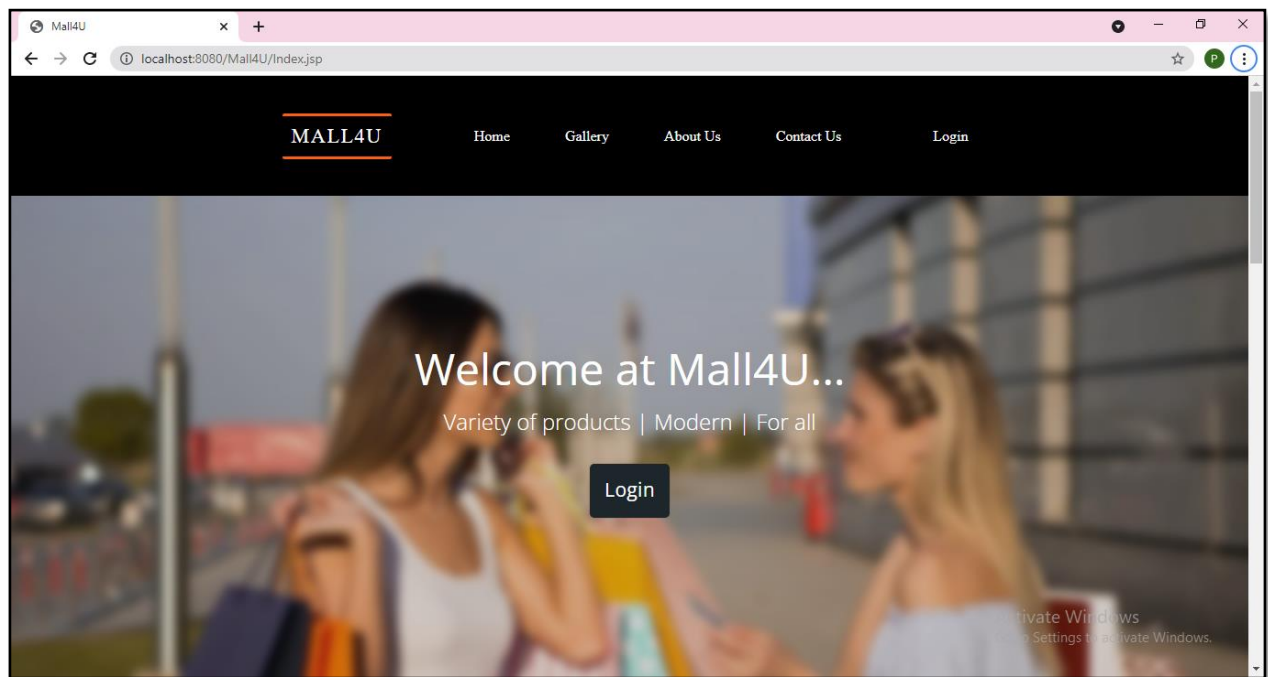
```
CREATE TABLE `orders` (  
  `id` int(3) NOT NULL PRIMARY KEY,  
  `product_name` varchar(100) NOT NULL,  
  `price` varchar(100) NOT NULL,  
  `customer_name` varchar(100) NOT NULL,  
  `customer_id` int(3),  
  `product_id` int(3)
```

);

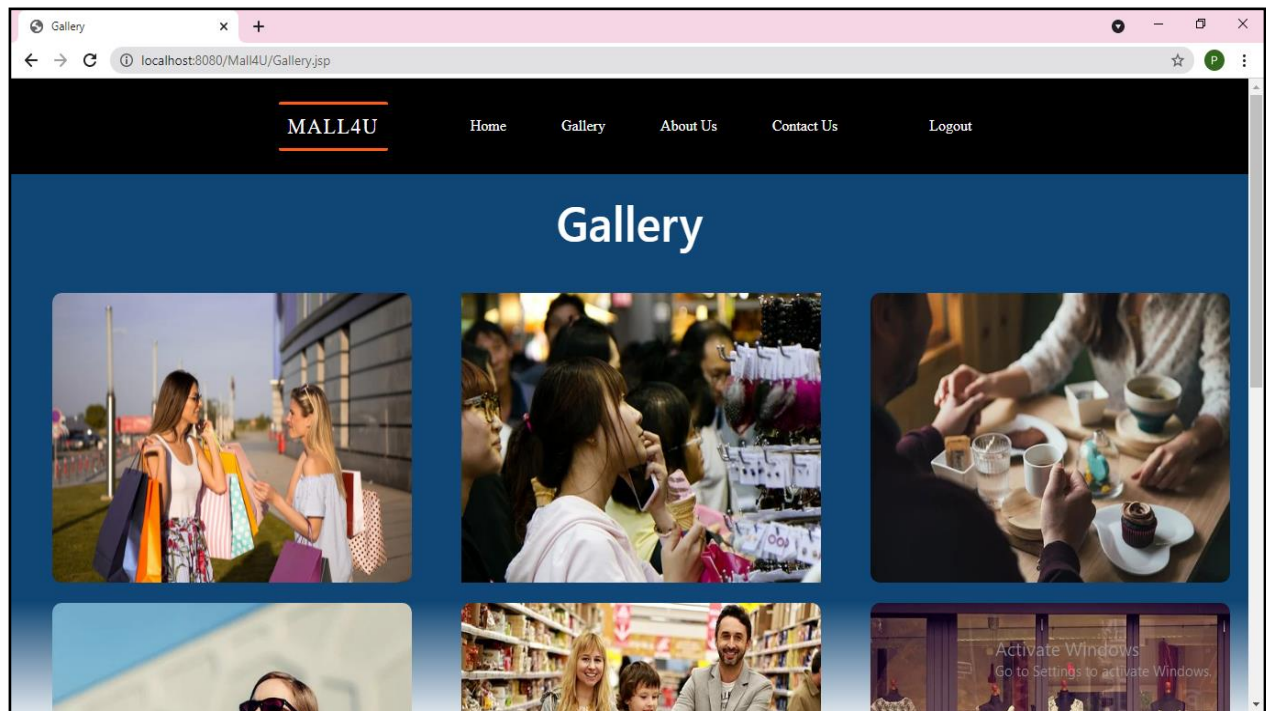
## Modules and Description of Shopping Mall Management System Project:

### Screenshots:

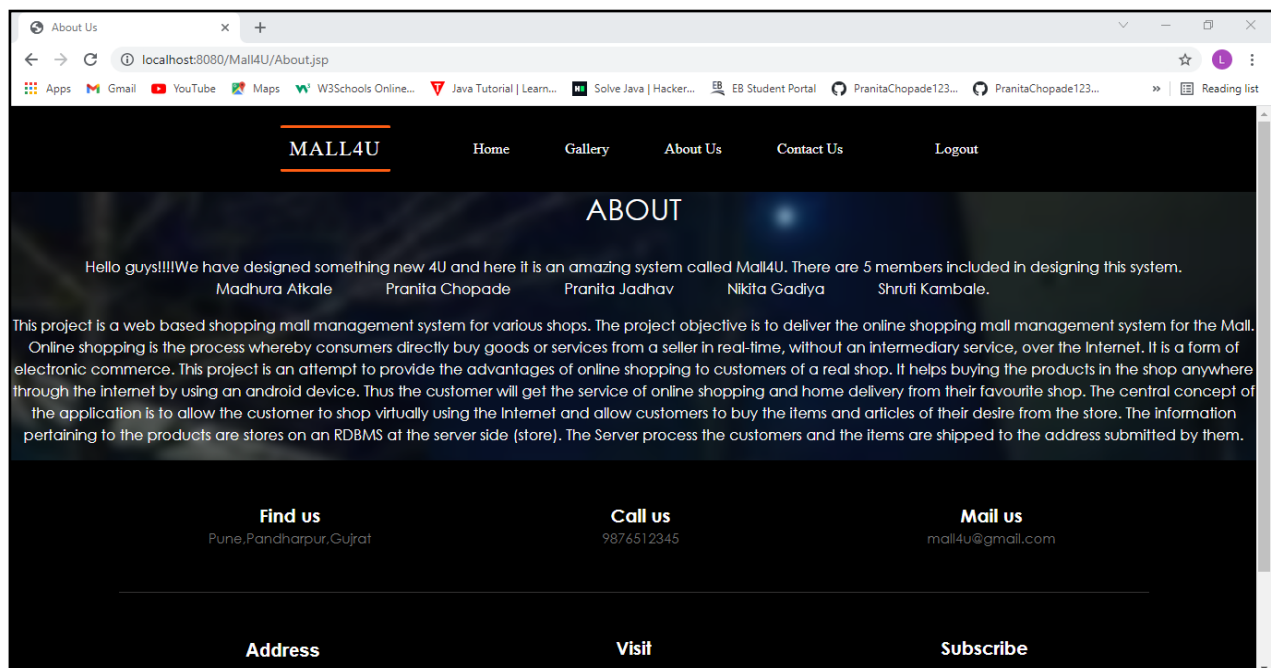
#### Index Page:



## Home Page:



## About Us:



## Contact Us Page:

## Home Page/Login Page:

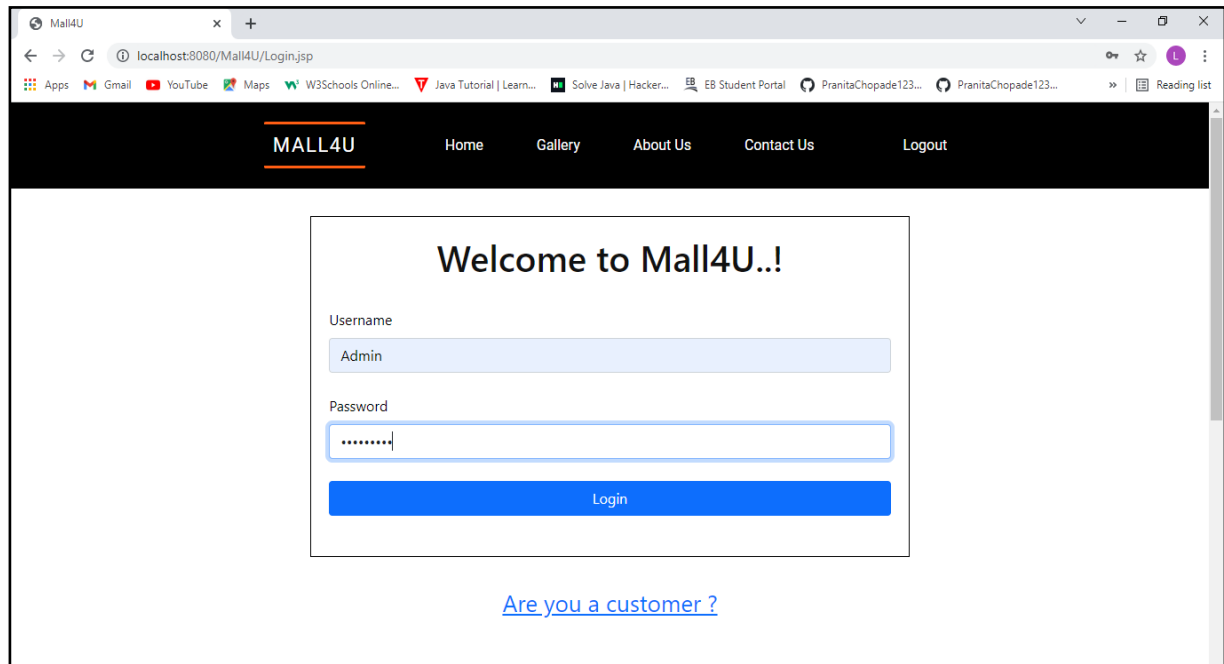


# Admin Section

Step 1: Login

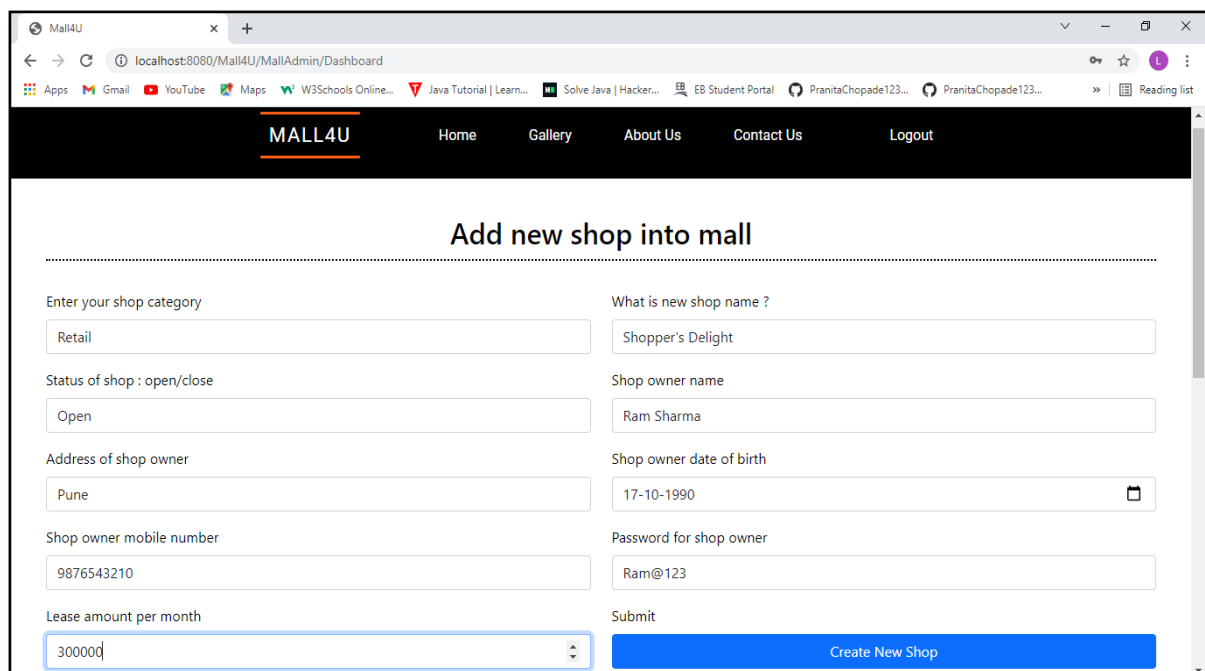
Username: Admin

Password: Admin@123



A screenshot of a web browser displaying the login page for 'Mall4U'. The browser's address bar shows 'localhost:8080/Mall4U/Login.jsp'. The page has a black navigation bar with the 'MALL4U' logo and links for Home, Gallery, About Us, Contact Us, and Logout. The main content area features a white box with the heading 'Welcome to Mall4U..!'. Inside this box are two input fields: 'Username' with the text 'Admin' and 'Password' with masked characters '.....'. Below these fields is a blue 'Login' button. At the bottom of the white box is a blue link that says 'Are you a customer ?'.

Step 2: Add shops to the mall system



A screenshot of a web browser displaying the 'Add new shop into mall' form in the 'MallAdmin/Dashboard' section. The browser's address bar shows 'localhost:8080/Mall4U/MallAdmin/Dashboard'. The page has the same black navigation bar as the login page. The main content area has a white box with the heading 'Add new shop into mall'. Below the heading 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 '30000' 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 a calendar icon), 'Password for shop owner' (with 'Ram@123' entered), and a 'Submit' button. At the bottom right of the form is a large blue 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

Close

## Updated Result:

The screenshot shows a web browser window with the URL `localhost:8080/Mall4U/MallAdmin/Dashboard`. The page title is "Available shops in your mall". Below the title, there is a form titled "Shopper's Delight" containing a table of shop details and two buttons: "Delete" and "Update".

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

Buttons: [Delete](#) [Update](#)

## Example 2:

The screenshot shows a web browser window with the URL `localhost:8080/Mall4U/MallAdmin/Dashboard`. The page title is "Add new shop into mall". Below the title, there is a form with various input fields and a "Create New Shop" button.

Form fields:

- 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:

Buttons: [Submit](#) [Create New Shop](#)

Mall4U

localhost:8080/Mall4U/MallAdmin/Dashboard

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

### Cosmetics

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

DeleteUpdate

Update shop name from Cosmetics to Fashion pie in shop 2

Mall4U

localhost:8080/Mall4U/MallAdmin/Dashboard

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

### Update shop 2

Enter your shop category

Wholesale

What is new shop name ?

Fashion Pie

Status of shop : open/close

Open

Shop owner name

Neeta Patil

Address of shop owner

Pandharpur

Shop owner date of birth

23-07-1999

Shop owner mobile number

7890654321

Password for shop owner

Neeta@123

Lease amount per month

70000

Submit

Update Shop

Close

## Result:

The screenshot shows a web application with two shop details displayed side-by-side. Each shop has a list of attributes and two buttons (Delete and Update) at the bottom.

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 'Query 1' tab is active, displaying the SQL code used to create the database and tables. The 'Result Grid' shows the data added to the 'shops' table. The 'Output' tab shows the execution results of the queries.

```
ALTER TABLE `shops` ENGINE = InnoDB ;
select * from shops;
CREATE TABLE `products` (
  `id` int(3) NOT NULL PRIMARY KEY,
  `product_name` varchar(100) NOT NULL,
  `category` varchar(50) NOT NULL,
  `lease` int(10) NOT NULL,
  `owner_address` varchar(100) NOT NULL,
  `owner_dob` date NOT NULL,
  `owner_name` varchar(50) NOT NULL,
  `owner_password` varchar(50) NOT NULL,
  `owner_phone` varchar(15) NOT NULL,
  `status` varchar(20) NOT NULL
);
```

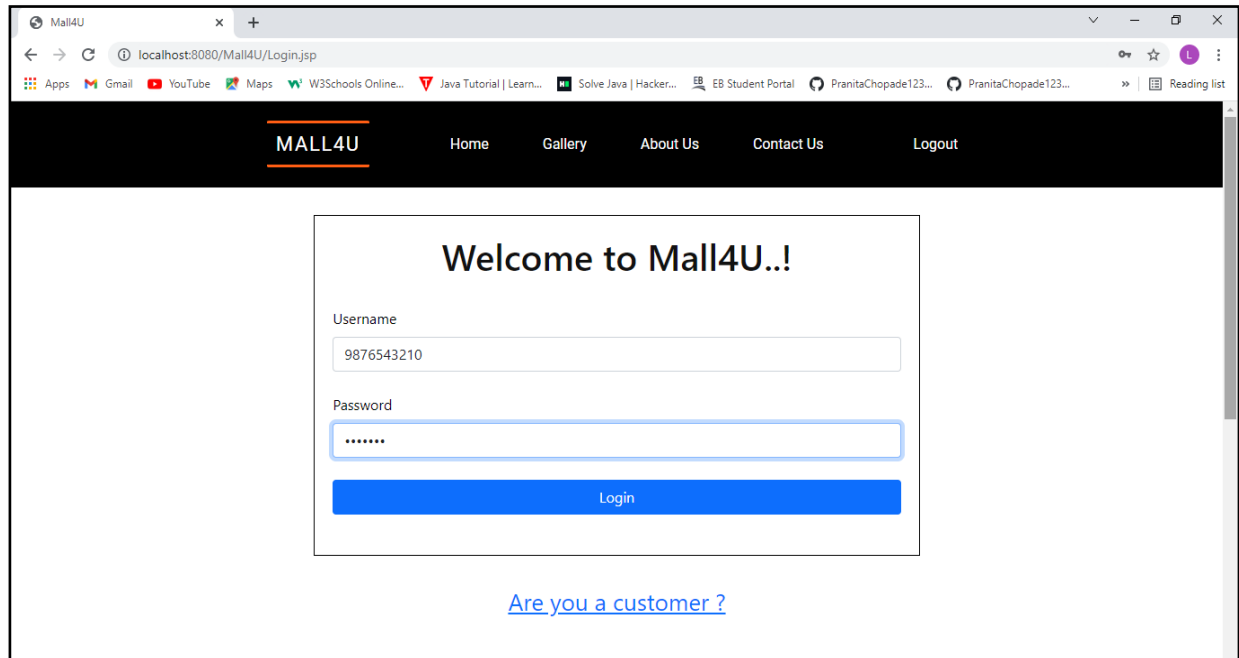
id	category	lease	name	owner_address	owner_dob	owner_name	owner_password	owner_phone	status
1	Retail	300000	Shopper's Delight	Pune	1990-10-17	Ram Sharma	Ram@123	9876543210	close
2	Wholesale	70000	Fashion Pie	Pandharpur	1999-07-23	Neeta Patil	Neeta@123	7890654321	Open

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

# Shop Owner's Section

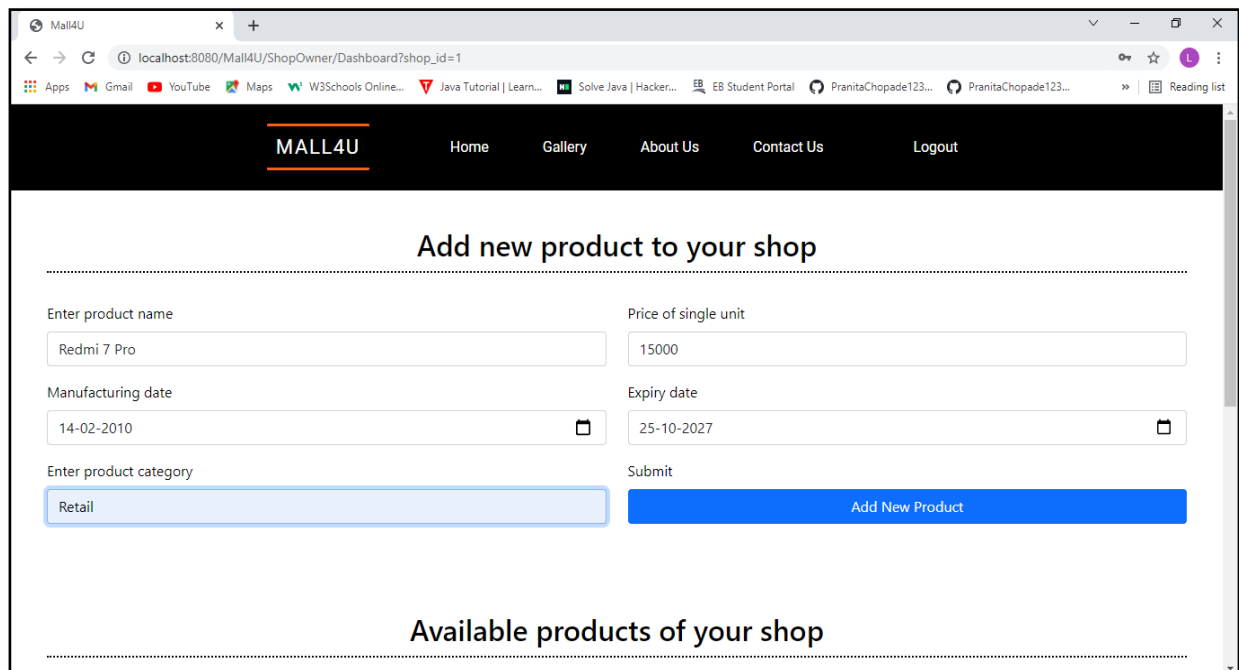
## Step 1: Login

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



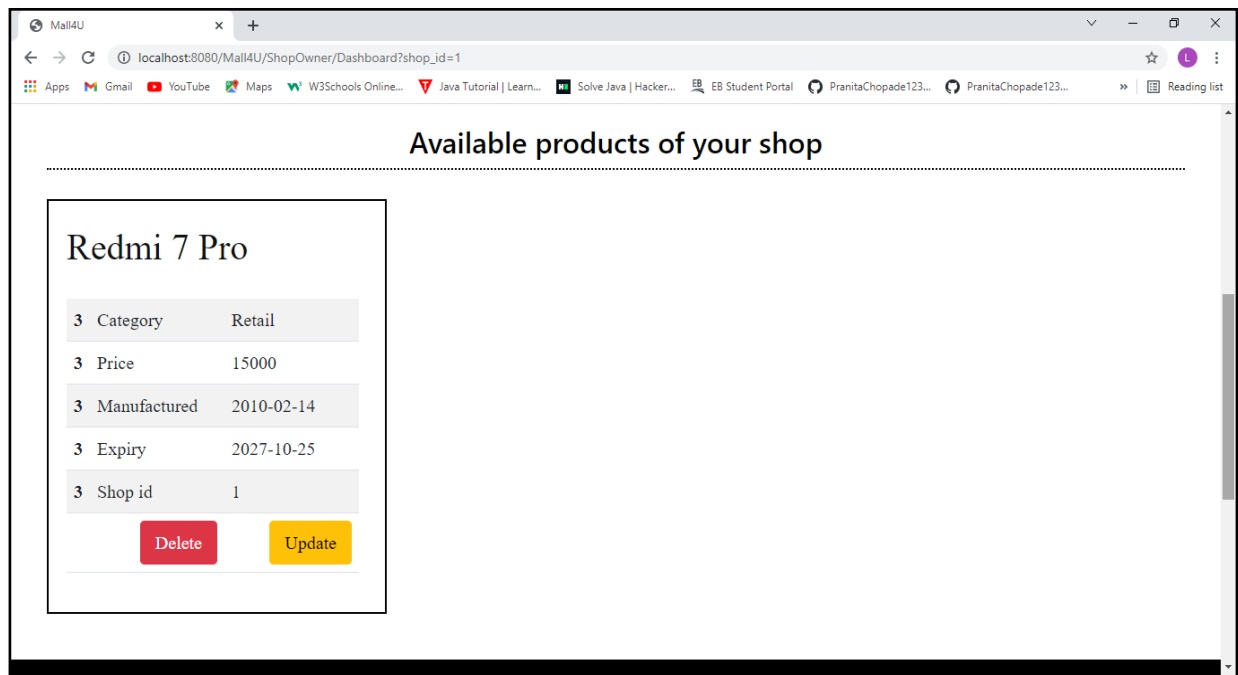
The screenshot shows a web browser window with the URL `localhost:8080/Mall4U/Login.jsp`. The page has a black header with the Mall4U logo and navigation links: Home, Gallery, About Us, Contact Us, and Logout. The main content area is white and contains a login form titled "Welcome to Mall4U..!". The form has two input fields: "Username" with the value "987654321" and "Password" with masked characters "\*\*\*\*\*". Below the fields is a blue "Login" button. At the bottom of the form, there is a link that says "Are you a customer ?".

## Step 2: Product Added in shop 1

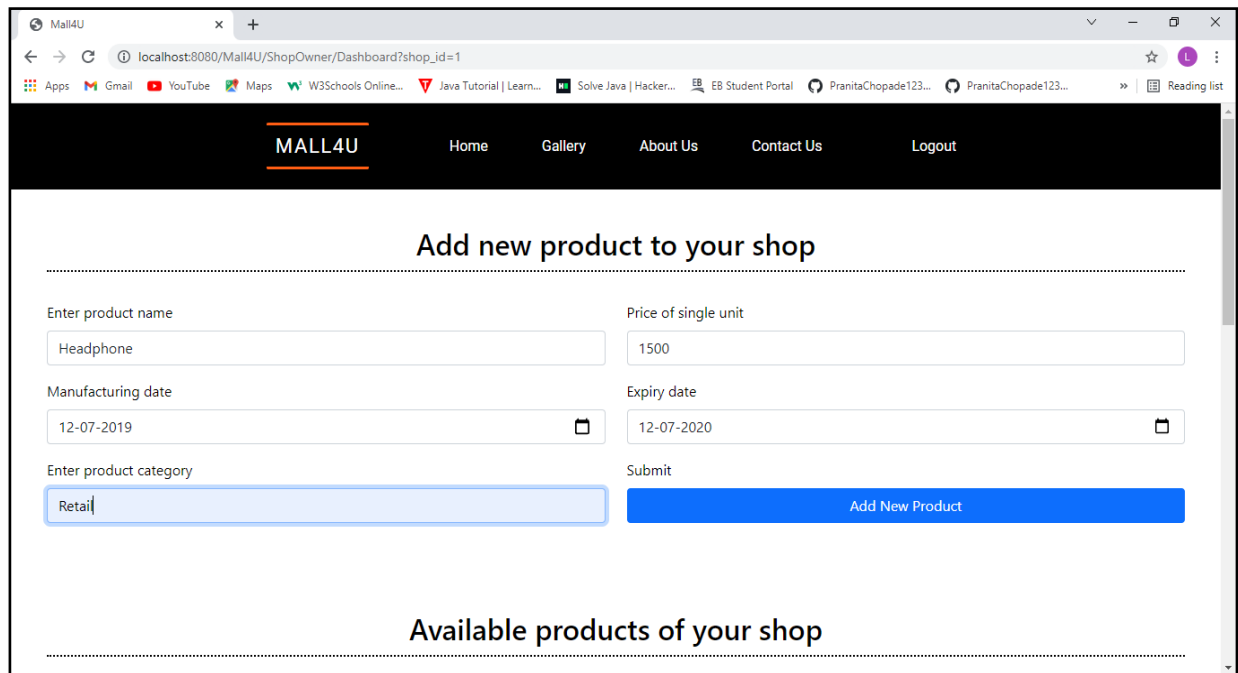


The screenshot shows a web browser window with the URL `localhost:8080/Mall4U/ShopOwner/Dashboard?shop_id=1`. The page has a black header with the Mall4U logo and navigation links: Home, Gallery, About Us, Contact Us, and Logout. The main content area is white and contains a form titled "Add new product to your shop". The form has four input fields: "Enter product name" with the value "Redmi 7 Pro", "Price of single unit" with the value "15000", "Manufacturing date" with the value "14-02-2010", and "Expiry date" with the value "25-10-2027". Below the fields is a blue "Add New Product" button. At the bottom of the form, there is a link that says "Available products of your shop".

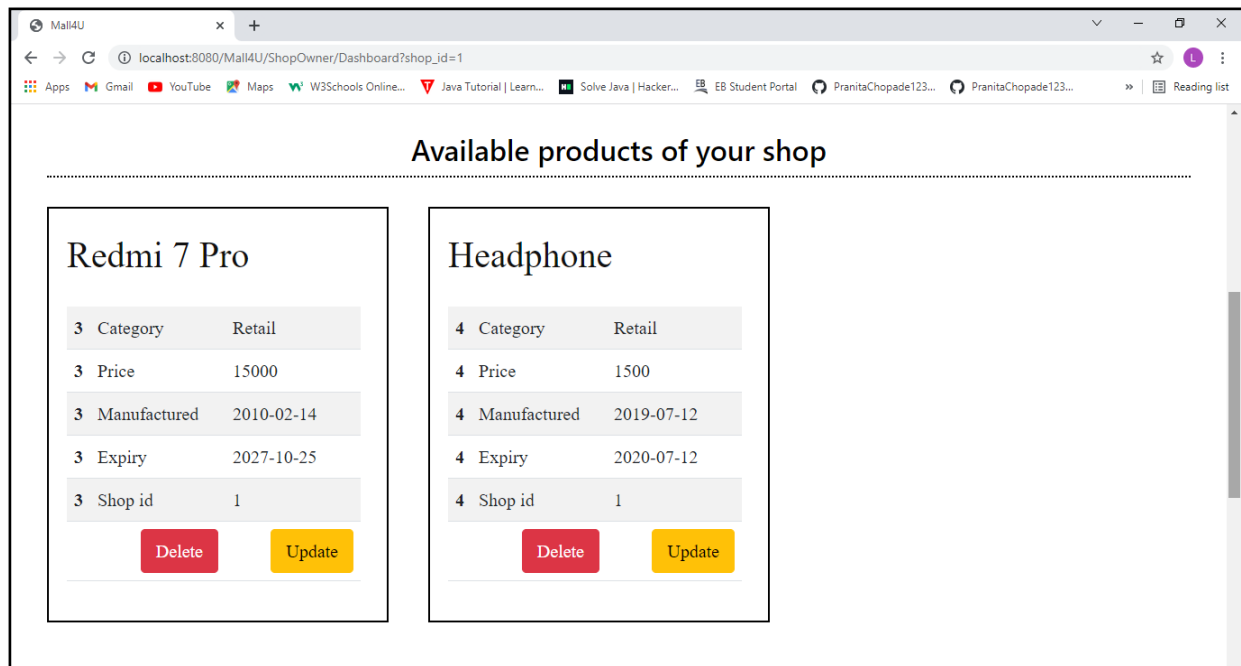
## Result:



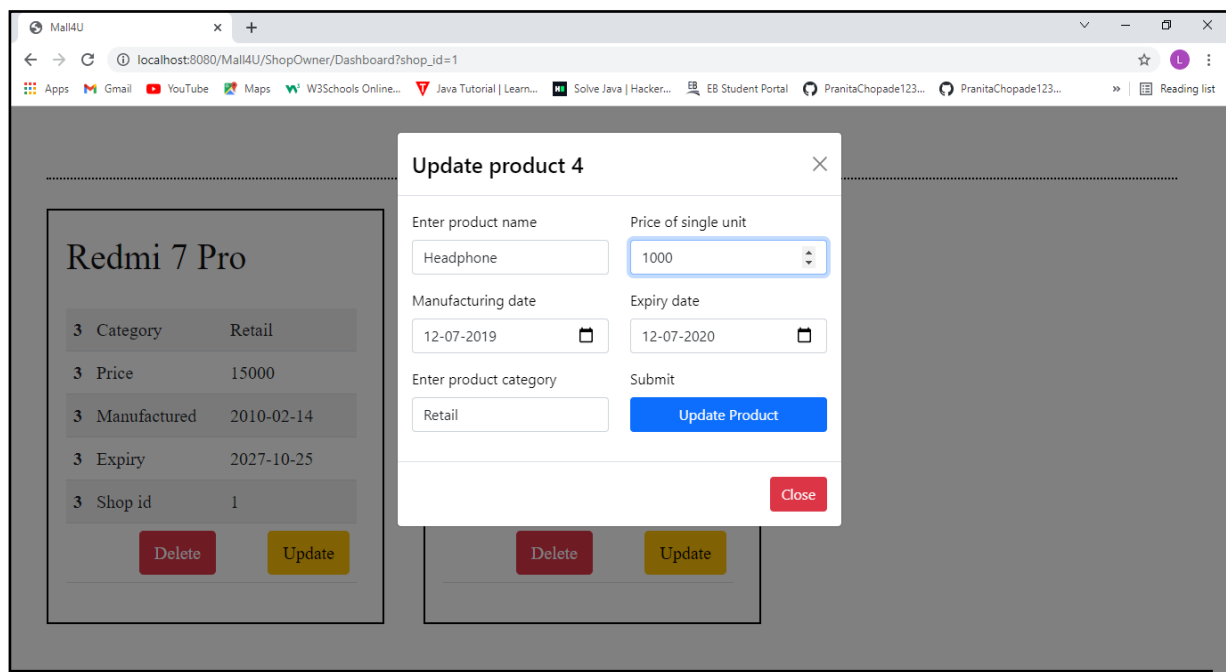
## Another product added in shop 1:



## Result:

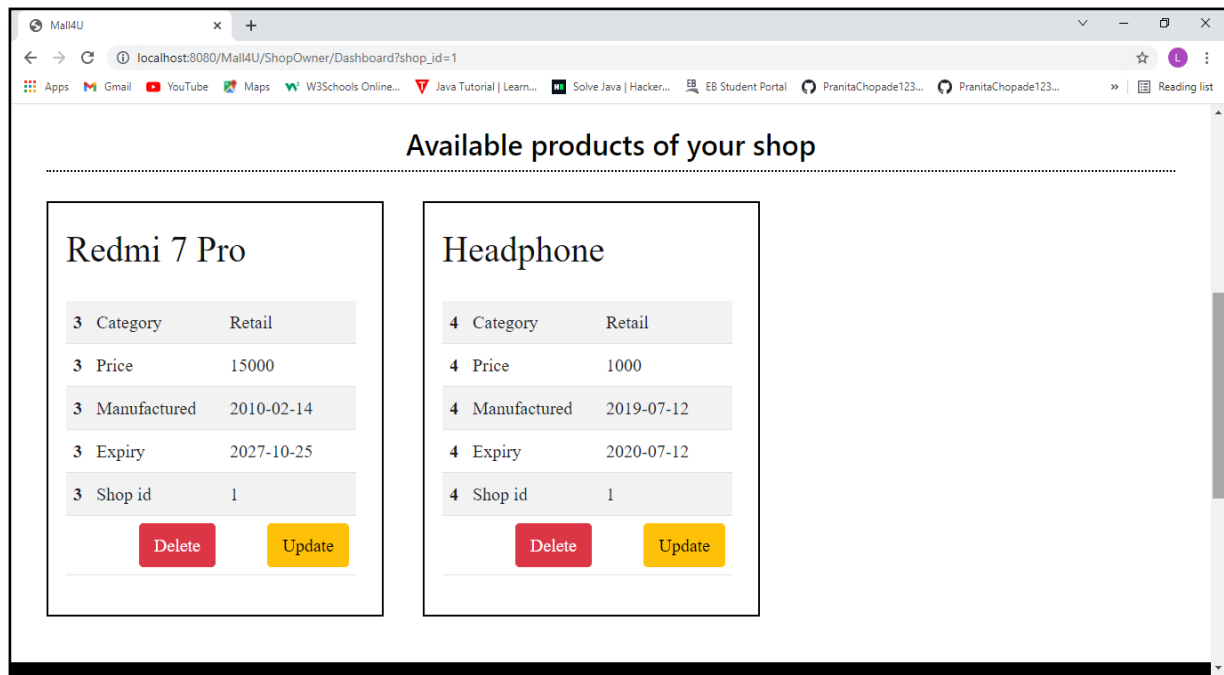


Update : Headphones price is updated to 1500 from 1000





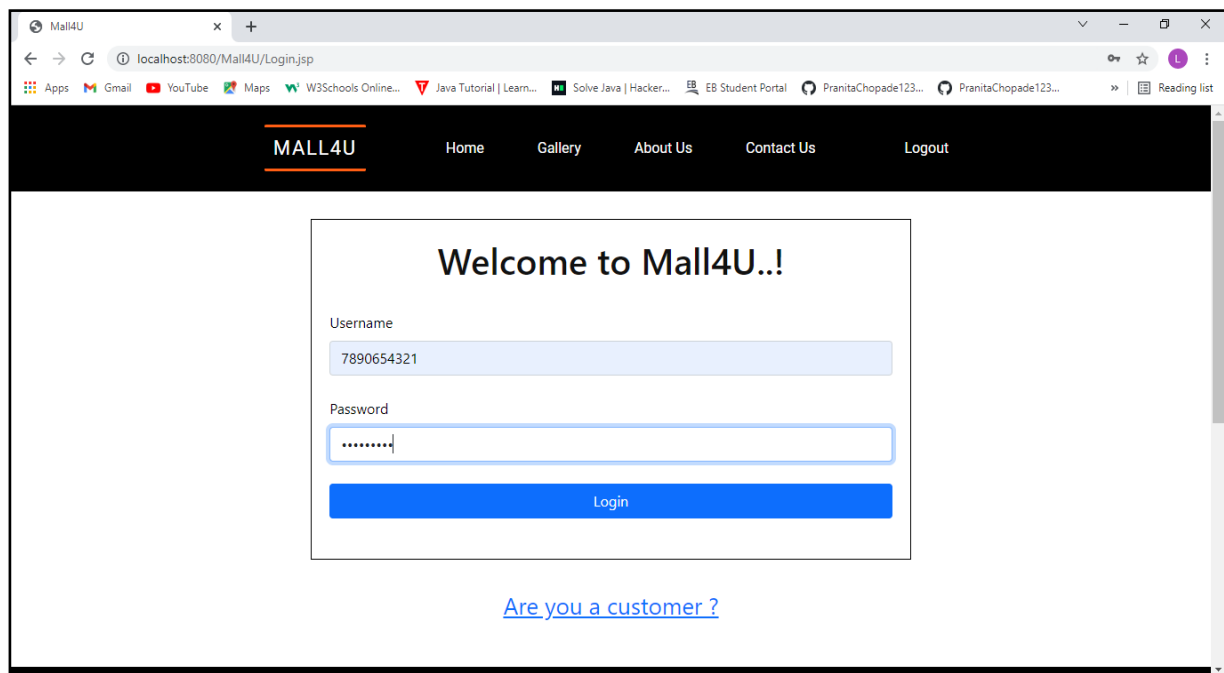
## Result:



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 dark 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' (text input with 'Lakme Face Cream'), 'Price of single unit' (text input with '400'), 'Manufacturing date' (date picker with '25-09-2021'), 'Expiry date' (date picker with '25-09-2022'), and 'Enter product category' (dropdown menu with 'Wholesale' selected). A blue 'Add New Product' button is at the bottom right of the form. Below the form, the text 'Available products of your shop' is visible.

Result:

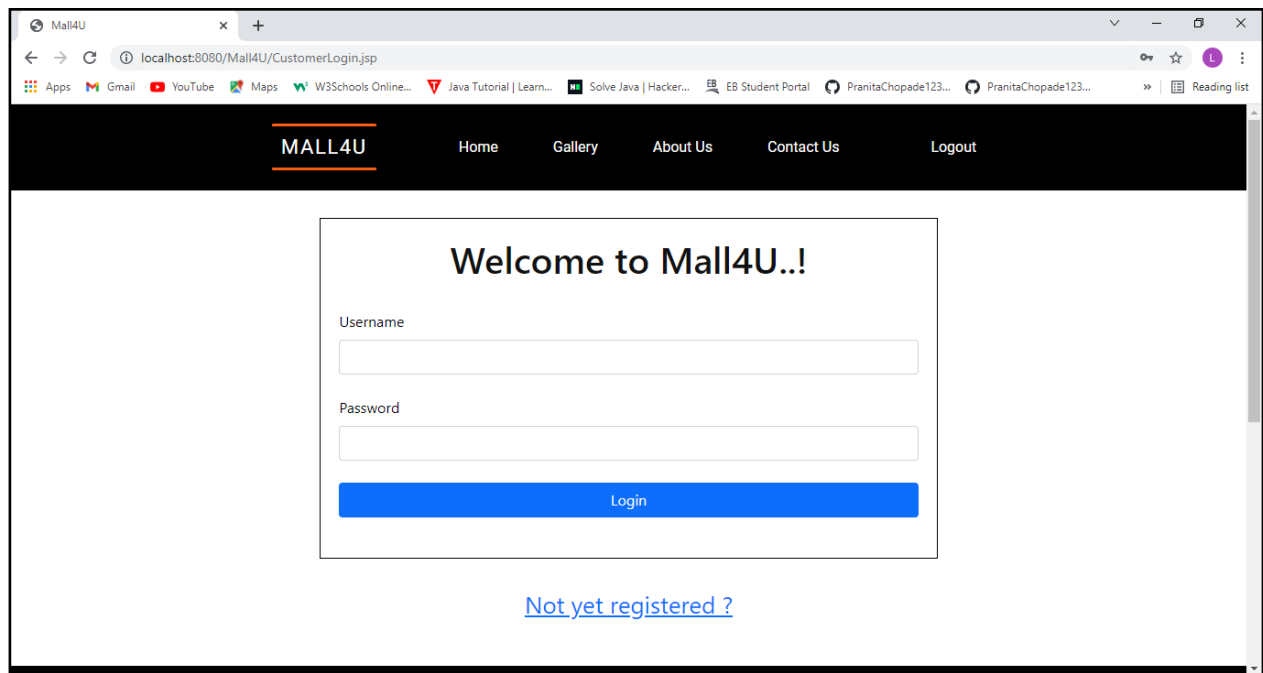
The screenshot shows the same web browser window, but now displaying the result of adding the product. A modal box is shown with the title 'Lakme face Cream'. Inside the modal, there is a table with the following data:

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

Below the table are two buttons: a red 'Delete' button and a yellow 'Update' button. The footer of the page contains three links: 'Find us', 'Call us', and 'Mail us'.

## Customer Section:

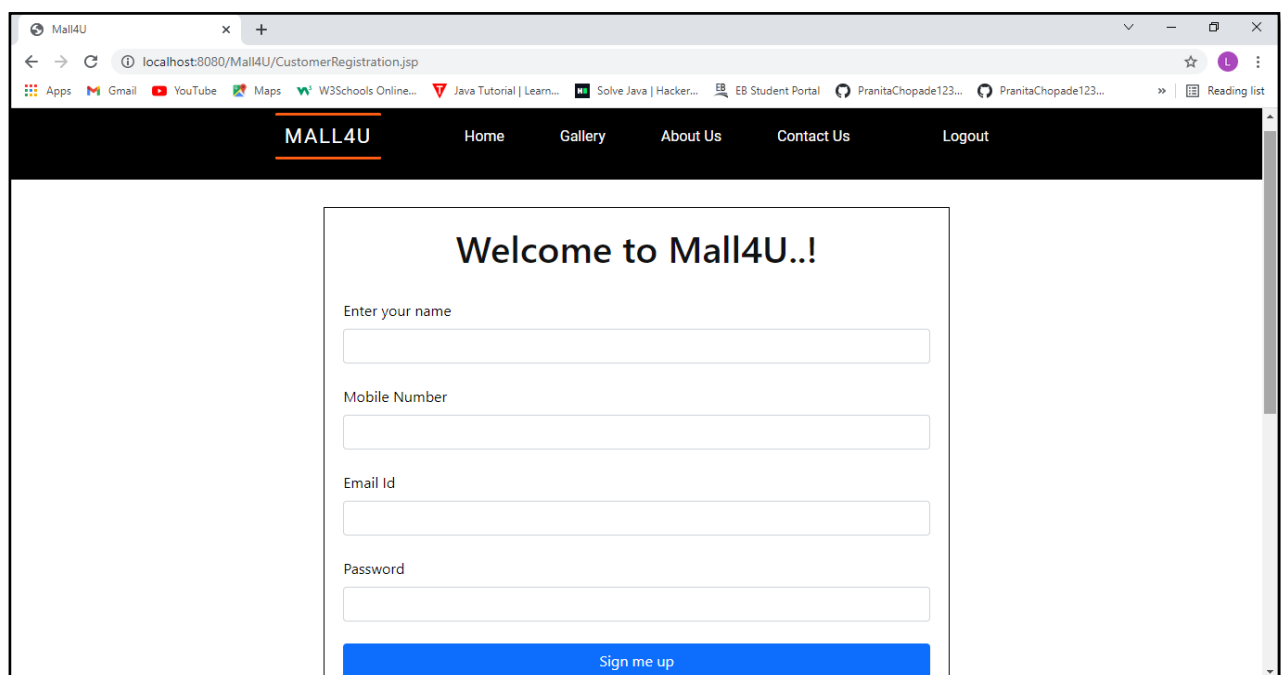
Step 1: If you are a customer then click on “Are you a Customer”



The screenshot shows a web browser window with the URL `localhost:8080/Mall4U/CustomerLogin.jsp`. The page 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" and "Password". Below these fields is a blue "Login" button. At the bottom of the form, there is a blue link that says "Not yet registered ?".

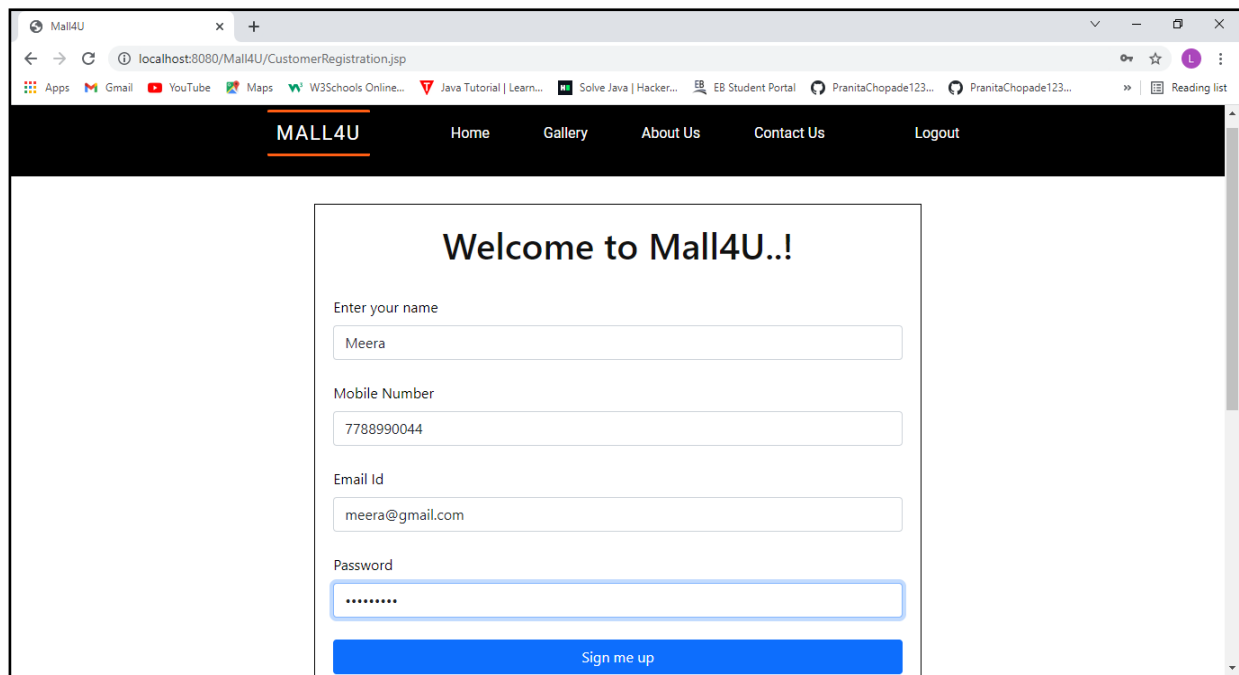
Step 2: If you are new customer then click on not yet registered

## Customer Registration Page:



The screenshot shows a web browser window with the URL `localhost:8080/Mall4U/CustomerRegistration.jsp`. The page 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", "Mobile Number", "Email Id", and "Password". Below these fields is a blue "Sign me up" button.

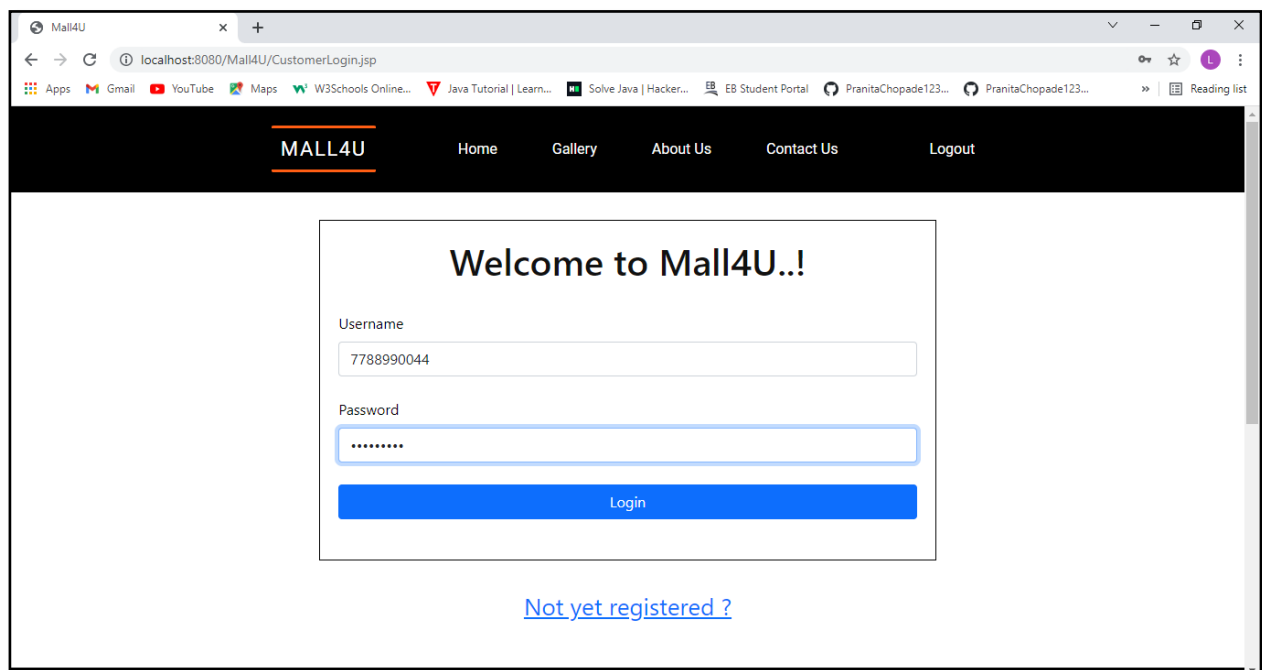
## Result:



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 "\*\*\*\*\*" entered). A blue "Sign me up" button is positioned at the bottom of the form.

After registration do login in customer's section:

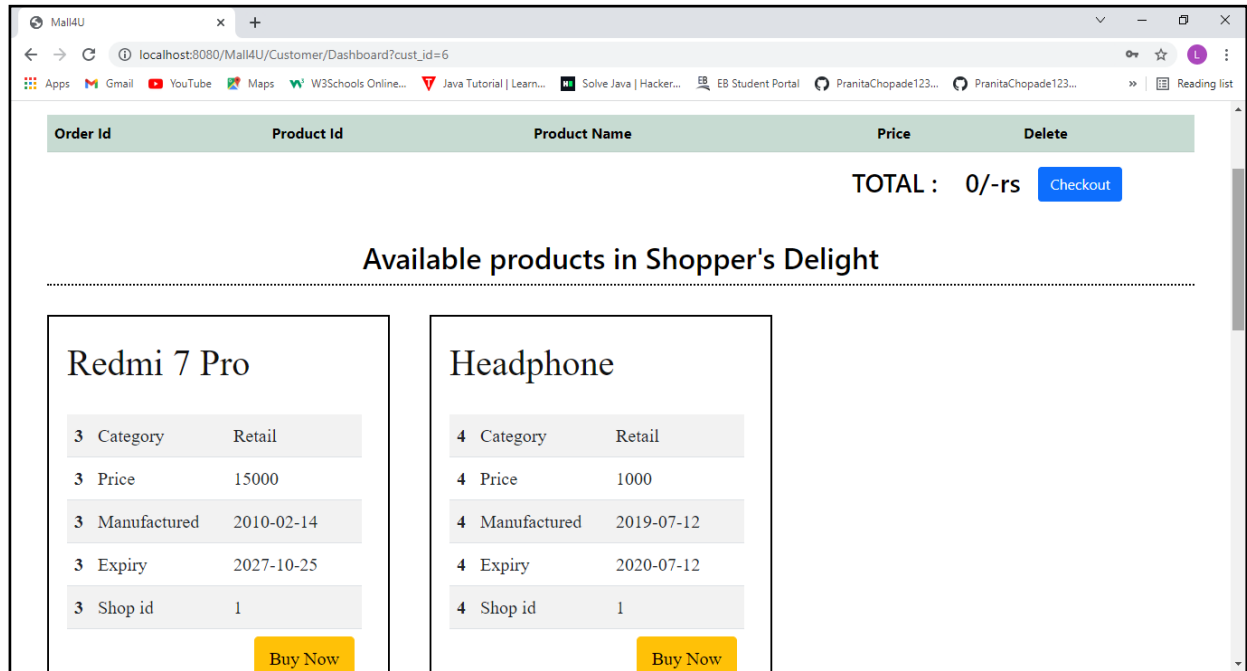
Here, Login is done using username:7788990044 and password: Meera@123



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 "\*\*\*\*\*" entered). 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 ?".

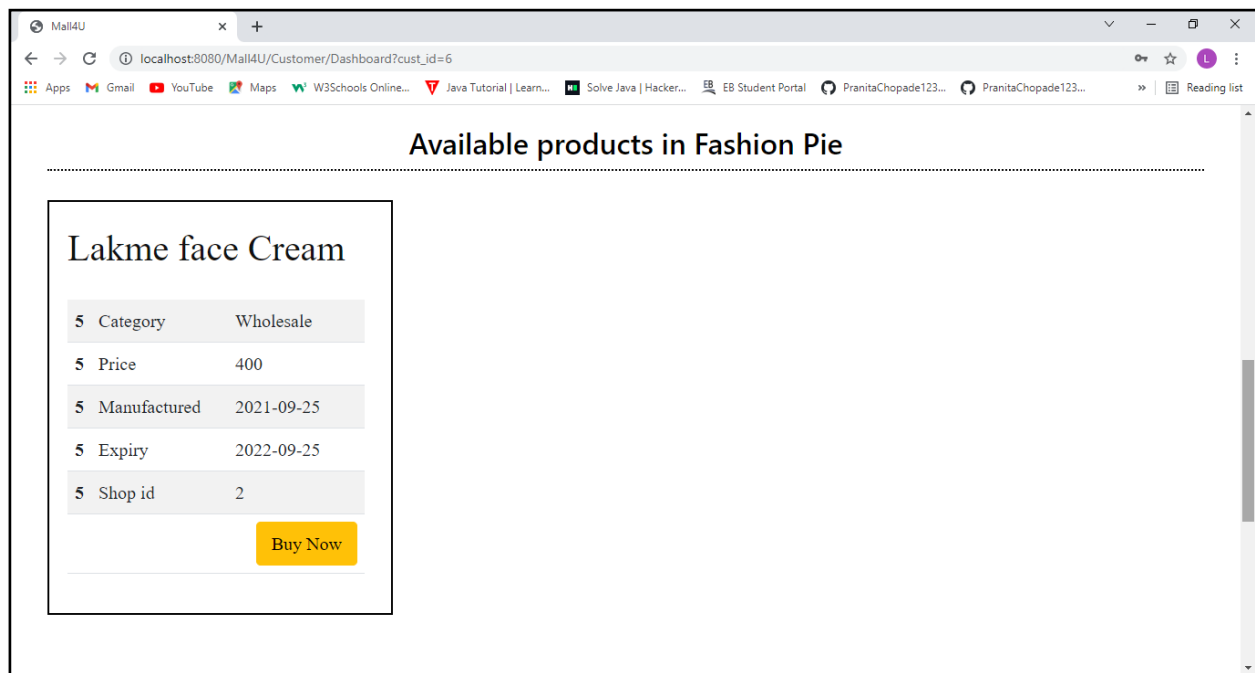
## login to customer section:

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.



The screenshot shows a web browser window with the URL `localhost:8080/Mall4U/Customer/Dashboard?cust_id=6`. The page displays a shopping cart with a total of 0/-rs and a Checkout button. Below the cart, the section "Available products in Shopper's Delight" lists two products:

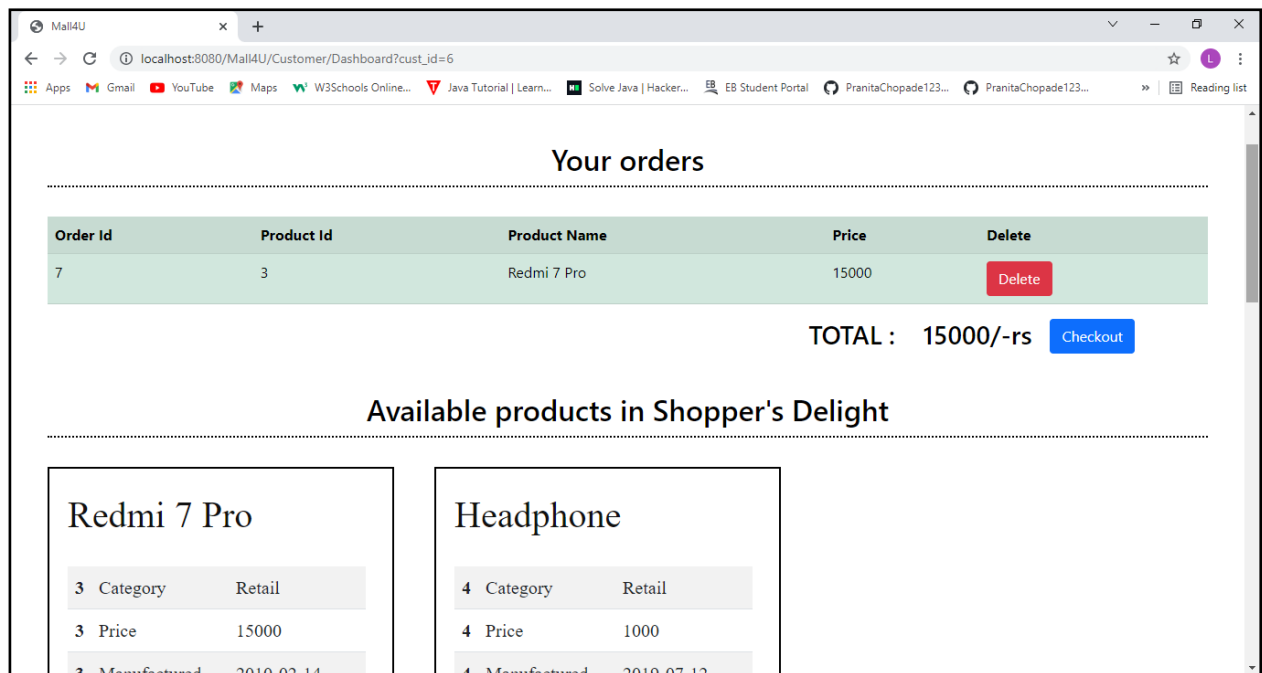
Order Id	Product Id	Product Name	Price	Delete																														
TOTAL : 0/-rs <a href="#">Checkout</a>																																		
Available products in Shopper's Delight																																		
<div><div><h3>Redmi 7 Pro</h3><table><tr><td>3</td><td>Category</td><td>Retail</td></tr><tr><td>3</td><td>Price</td><td>15000</td></tr><tr><td>3</td><td>Manufactured</td><td>2010-02-14</td></tr><tr><td>3</td><td>Expiry</td><td>2027-10-25</td></tr><tr><td>3</td><td>Shop id</td><td>1</td></tr></table><a href="#">Buy Now</a></div><div><h3>Headphone</h3><table><tr><td>4</td><td>Category</td><td>Retail</td></tr><tr><td>4</td><td>Price</td><td>1000</td></tr><tr><td>4</td><td>Manufactured</td><td>2019-07-12</td></tr><tr><td>4</td><td>Expiry</td><td>2020-07-12</td></tr><tr><td>4</td><td>Shop id</td><td>1</td></tr></table><a href="#">Buy Now</a></div></div>					3	Category	Retail	3	Price	15000	3	Manufactured	2010-02-14	3	Expiry	2027-10-25	3	Shop id	1	4	Category	Retail	4	Price	1000	4	Manufactured	2019-07-12	4	Expiry	2020-07-12	4	Shop id	1
3	Category	Retail																																
3	Price	15000																																
3	Manufactured	2010-02-14																																
3	Expiry	2027-10-25																																
3	Shop id	1																																
4	Category	Retail																																
4	Price	1000																																
4	Manufactured	2019-07-12																																
4	Expiry	2020-07-12																																
4	Shop id	1																																



The screenshot shows the same web browser window, but the section "Available products in Fashion Pie" is displayed. It lists one product:

Order Id	Product Id	Product Name	Price	Delete															
TOTAL : 0/-rs <a href="#">Checkout</a>																			
Available products in Fashion Pie																			
<div><div><h3>Lakme face Cream</h3><table><tr><td>5</td><td>Category</td><td>Wholesale</td></tr><tr><td>5</td><td>Price</td><td>400</td></tr><tr><td>5</td><td>Manufactured</td><td>2021-09-25</td></tr><tr><td>5</td><td>Expiry</td><td>2022-09-25</td></tr><tr><td>5</td><td>Shop id</td><td>2</td></tr></table><a href="#">Buy Now</a></div></div>					5	Category	Wholesale	5	Price	400	5	Manufactured	2021-09-25	5	Expiry	2022-09-25	5	Shop id	2
5	Category	Wholesale																	
5	Price	400																	
5	Manufactured	2021-09-25																	
5	Expiry	2022-09-25																	
5	Shop id	2																	

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/Mall4U/Customer/Dashboard?cust_id=6`. The page title is "Your orders". Below the title is a table with the following data:

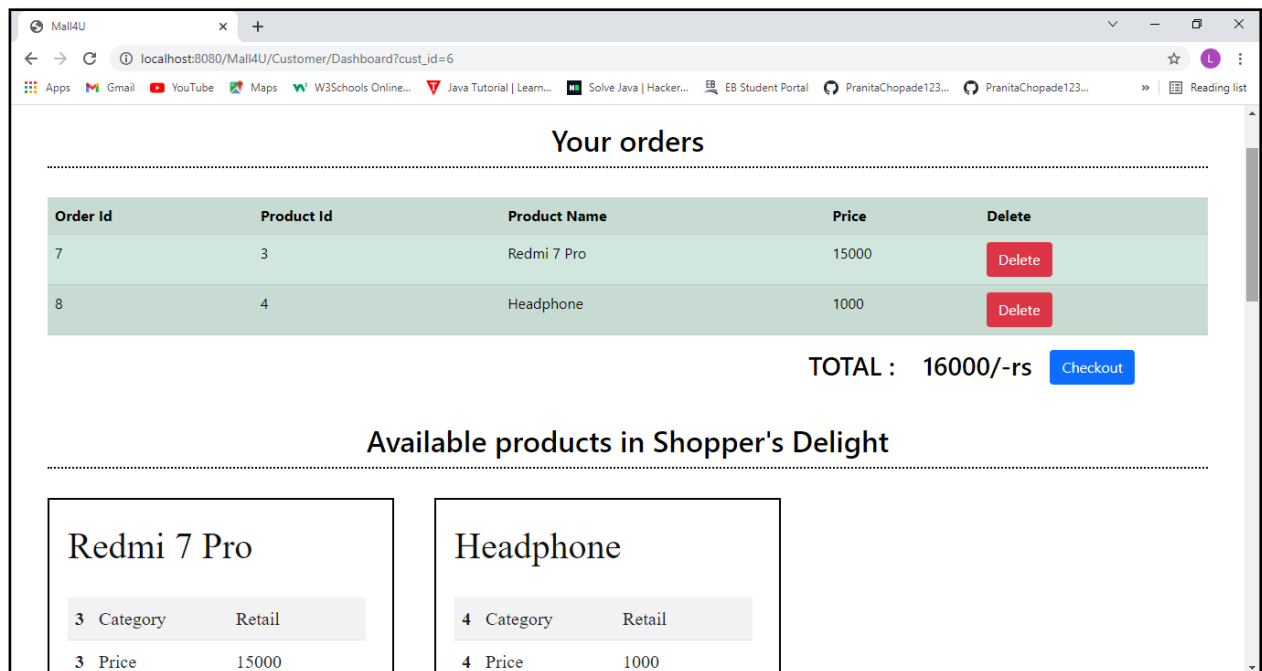
Order Id	Product Id	Product Name	Price	Delete
7	3	Redmi 7 Pro	15000	<a href="#">Delete</a>

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

Below the total price, 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 as before, but now with two orders listed in the "Your orders" section:

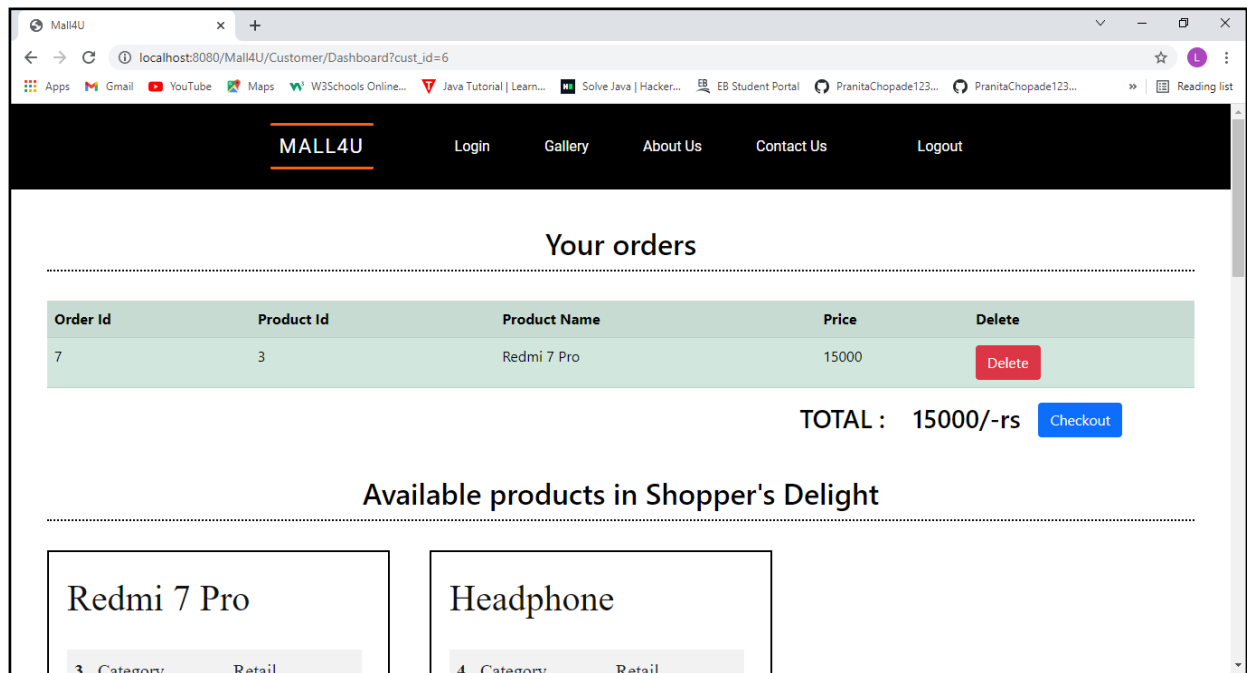
Order Id	Product Id	Product Name	Price	Delete
7	3	Redmi 7 Pro	15000	<a href="#">Delete</a>
8	4	Headphone	1000	<a href="#">Delete</a>

The total price is now "TOTAL : 16000/-rs" with a blue "Checkout" button next to it.

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

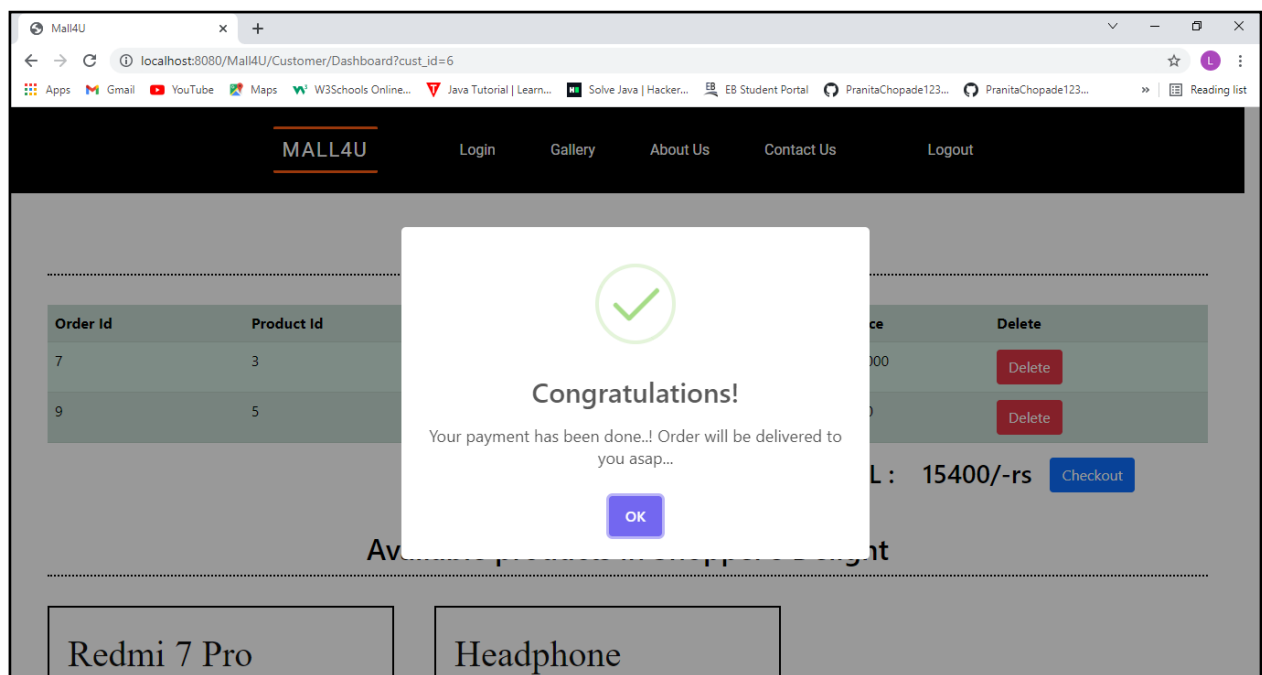
If you want to cancel your product then you just need to delete it

## 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.

[2] Bharathy, P. C., M. Rama Devi, and DC Joy Winnie Wise. "Managing the Mall using Android App." (2016).

[3] Ha, Yan, and BoYoun Kim. "Shopping mall system with image retrieval based on UML." *2011 First ACIS International Symposium on Software and Network Engineering*. IEEE, 2011.

[4] Bajo, Javier, et al. "SMas: a shopping mall multiagent systems." *International Conference on Intelligent Data Engineering and Automated Learning*. Springer, Berlin, Heidelberg, 2006.