

Clothing Management System

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Using Java and Database Management System

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ABSTRACT

Clothing Management System is an E-Commerce system that provides the sellers and buyers an interactive interface making the clothing deals handy.

The system is capable of handling login and signup excluding the possibilities of duplicate signups.

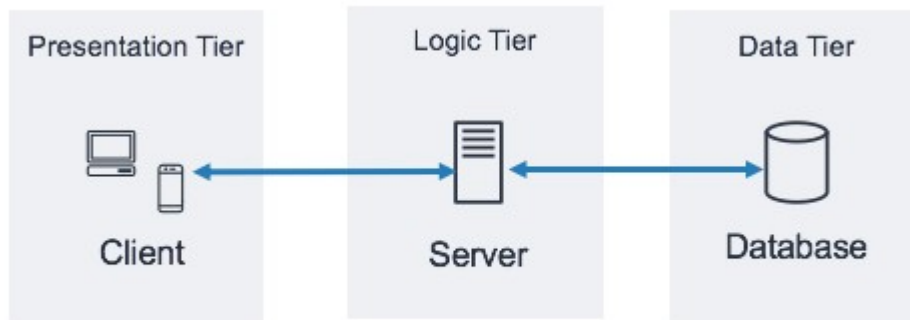
The sellers can add items, delete items, and can also update the information of those items with few clicks. Seller's earnings are displayed and also updated in real-time.

The customers can see the list of sellers who are selling clothes on their home page and they can easily check out stocks of each and every seller and can purchase the items according to their need. Once they click on purchase the earnings of the seller in concern is increased. Now customers can also check the list of items they have purchased in their respective Carts.

INTRODUCTION

Here we tried to project the idea through the use of JAVA,SERVLET,JSP ,connecting with the database through jdbc mysql connector and tried to develop a webapp having the given operations ,and making the task of managing a clothing store handy.Tailwind css adds another feather on the cap our project.

This is a 3 Tier architecture Project



SOFTWARES/ Technologies USED

- Eclipse
- Maven
- MySQL
- JDBC Mysql Connector
- Tailwind Css
- Servlets and Jsp

LITERATURE SURVEY

Clothing Management System is a web based system. This system works like social media platform for buyers and sellers.

We know that technology can help in enhancement of the growth of any feild. Instead of waiting for the reply letters from our beloved ones now we are able to make a video chat with them. So this system dives deeply in the interest of market needs and comes out with the gem of technological enchantment.

Now web is something that can connect every earthian so this project is hence web based.

PROBLEM STATEMENT & DISCUSSION

- **Managing Data**

Maintaining two different tables for the sellers and customers. Also they have their own respective databases which are being uniquely identified by their userids.

It was really a difficult task to manage all the data as the whole project is based on data management and one mistake could ruin the purpose.

- **Privacy and Security**

As the project contains some web pages common for both the agents and customers it was a challenging task to provide the required abstraction.

Also no one should be able to access any web page after logging out.

So we put a check in every jsp page if the user is logged in using session.

- **Providing a search engine**

We are storing the categories and seller's id in a table whenever a new entry is made by the seller and

whenever customer clicks on search we fire a sql command to fetch the required result in the real-time.

- **User Interface**

User interface is the bone marrow of any e-commerce platform so it was a challenging task to achieve a good looking smooth ui. Tailwind Css gave a major push in this.

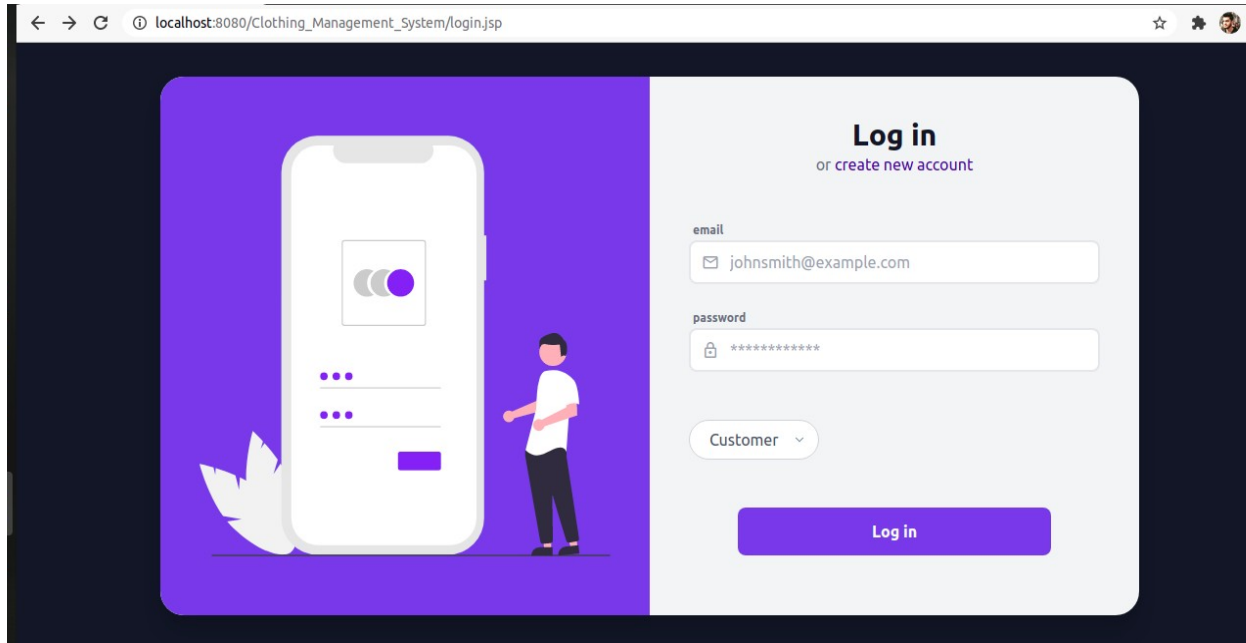
System Requires

- Operating System Like Linux, Windows any platform which support JAVA SE 8 or JDK 8
- Internet Connection
- RAM 128 MB
- MySQL Database
- Memory Min 100 MB

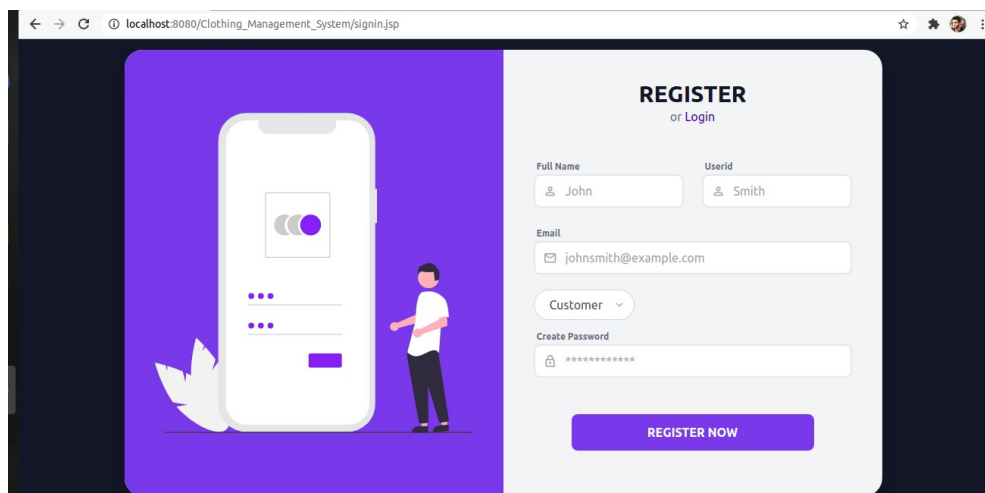
PROPOSED SOLUTION & RESULT ANALYSIS

Customer Side

1. Login:



2. Signup









3. Customer's Home

localhost:8080/Clothing_Management_System/Buy

John Cena

Search a Category search


Sellers


NAME	STATUS	ROLE	
 Shivam Sharma ss123	Active	Owner	View
 Sachin Tendulkar st123	Active	Owner	View
 Virat Kohli vk123	Active	Owner	View
 Jasprit Bumrah jpb123	Active	Owner	View
 Anand Rishra ar123	Active	Owner	View
 Ms Dhoni msd7	Active	Owner	View


4. Viewing Stock of a seller.

localhost:8080/Clothing_Management_System/ShowCategories

CLOTHING MANAGEMENT SYSTEM Home Log out

 Jeans

 Kurta

 Tshirt

5. Viewing items in a category

← → ↻ ⓘ localhost:8080/Clothing_Management_System/ShowItem?category=Tshirt ☆ ⚙️ 👤 ⋮

CLOTHING MANAGEMENT SYSTEM Home Log out ▾

The Stock

Brand	Color	in Stock	Price	
Polo	purple	4	200	<button>Purchase</button>
Gucci	purple	7	670	<button>Purchase</button>

6. Viewing Cart after purchasing some items

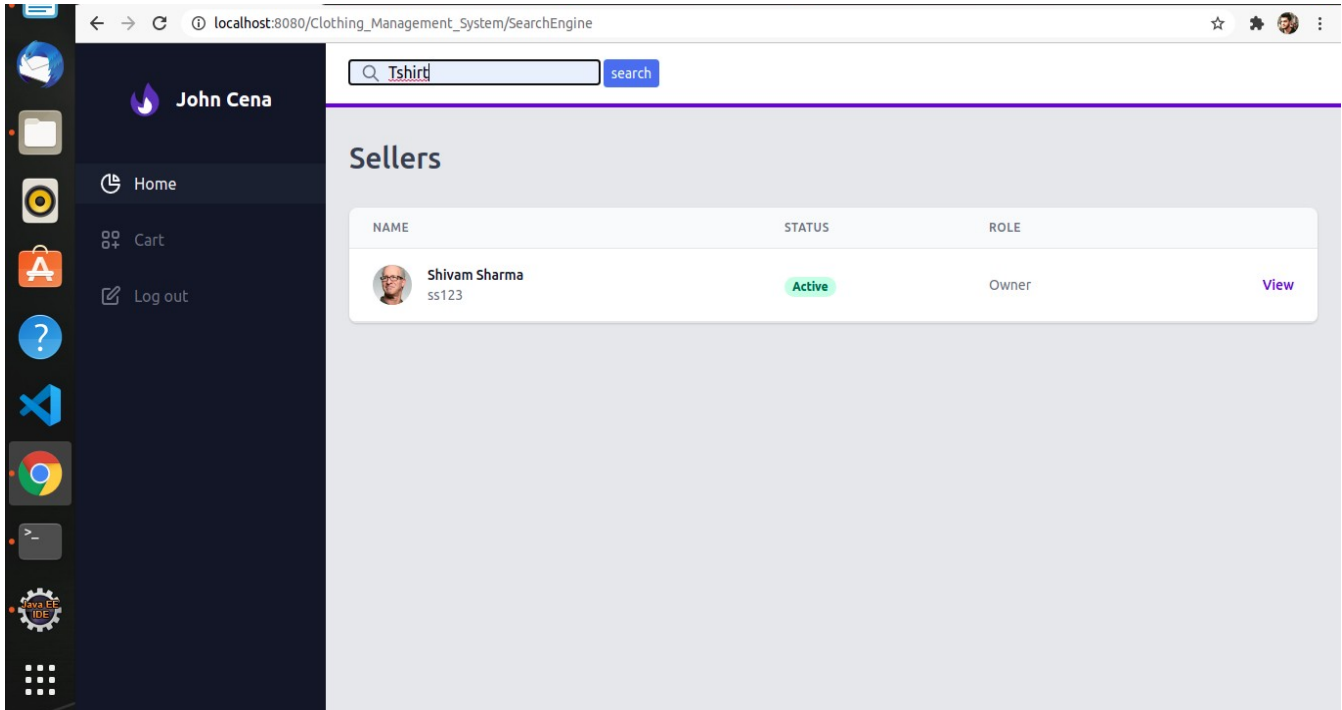
← → ↻ ⓘ localhost:8080/Clothing_Management_System/FetchCartItems ☆ ⚙️ 👤 ⋮

CLOTHING MANAGEMENT SYSTEM Home Log out ▾


Cart

Brand	Color	Price	
Raymonds	red	6	<button>Delete</button>
Gucci	purple	670	<button>Delete</button>

7. Searching a Category(ex - seller who sells Tshirt)



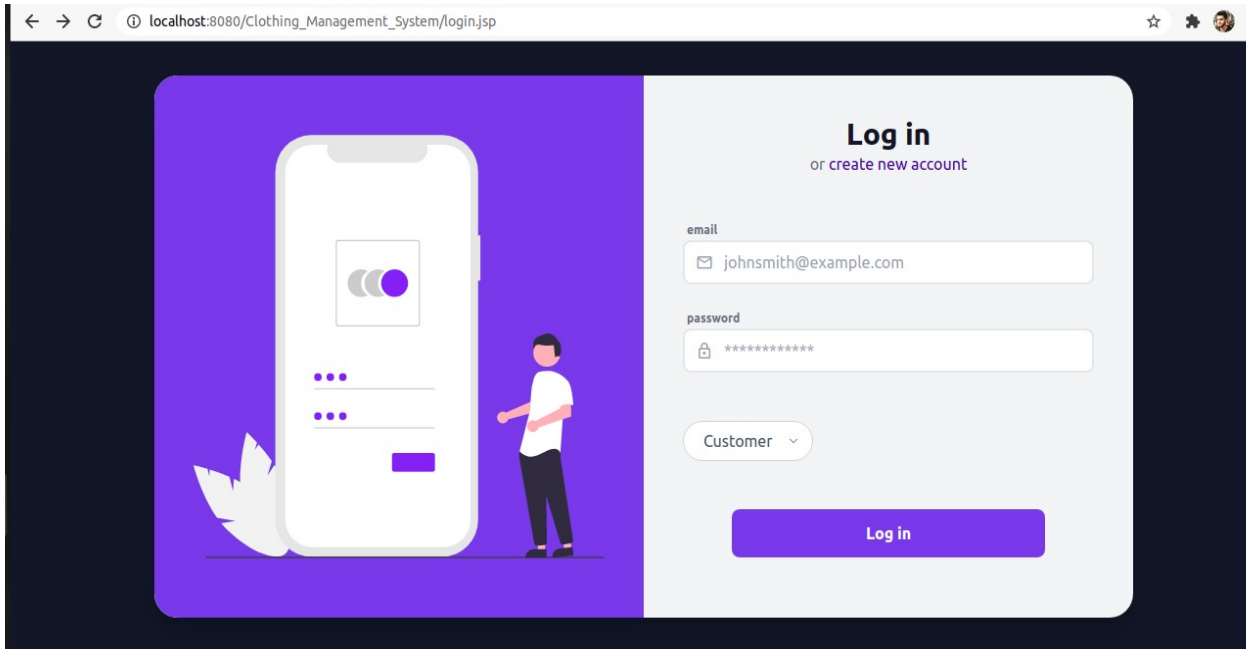
The screenshot shows a web application interface. The browser address bar displays `localhost:8080/Clothing_Management_System/SearchEngine`. The search bar contains the text "Tshirt" and a "search" button. The left sidebar shows the user "John Cena" and navigation links for "Home", "Cart", and "Log out". The main content area is titled "Sellers" and displays a table with the following data:

NAME	STATUS	ROLE
 Shivam Sharma ss123	Active	Owner

A "View" link is present next to the seller entry.

Seller's VIEW

1. Login:



The screenshot shows a web browser window with the address bar displaying 'localhost:8080/Clothing_Management_System/login.jsp'. The page features a dark blue background. On the left, there is a large white smartphone illustration with a person standing next to it. On the right, a light gray rounded rectangle contains the login form. The form has the title 'Log in' and a link 'or create new account'. It includes input fields for 'email' (containing 'johnsmith@example.com') and 'password' (masked with asterisks). Below these is a dropdown menu set to 'Customer'. A purple 'Log in' button is at the bottom.

Log in
or create new account

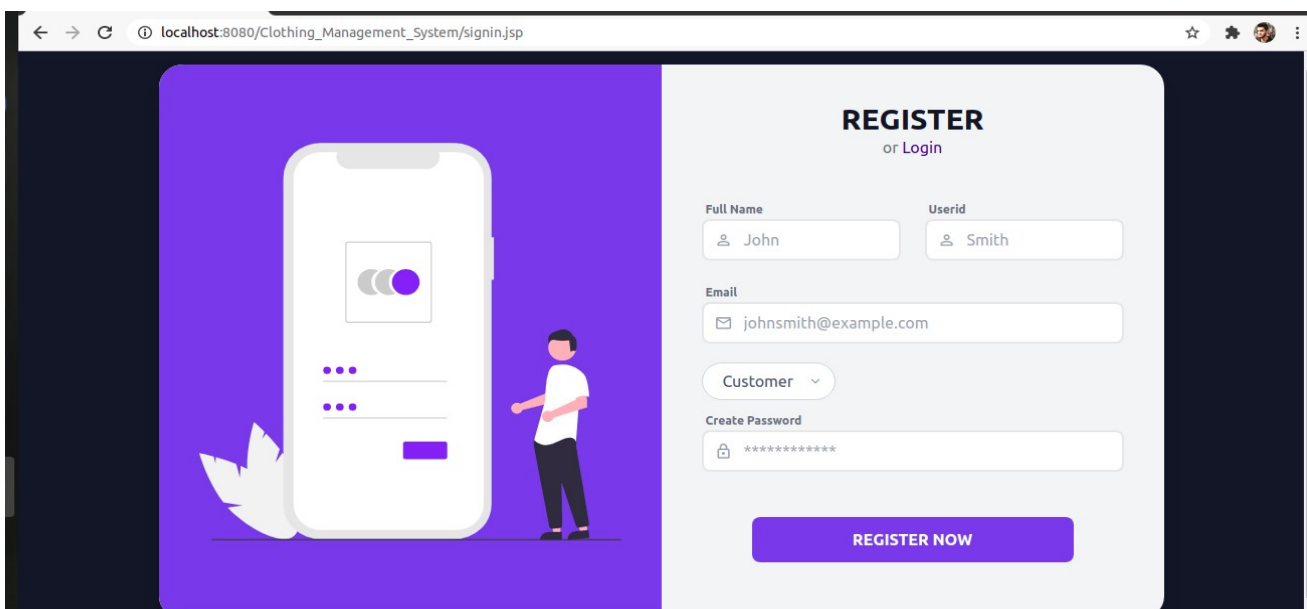
email
johnsmith@example.com

password

Customer

Log in

2. Signup



The screenshot shows a web browser window with the address bar displaying 'localhost:8080/Clothing_Management_System/signup.jsp'. The page features a dark blue background. On the left, there is a large white smartphone illustration with a person standing next to it. On the right, a light gray rounded rectangle contains the registration form. The form has the title 'REGISTER' and a link 'or Login'. It includes input fields for 'Full Name' (containing 'John'), 'Userid' (containing 'Smith'), 'Email' (containing 'johnsmith@example.com'), and 'Create Password' (masked with asterisks). There is also a dropdown menu set to 'Customer'. A purple 'REGISTER NOW' button is at the bottom.

REGISTER
or Login

Full Name
John

Userid
Smith

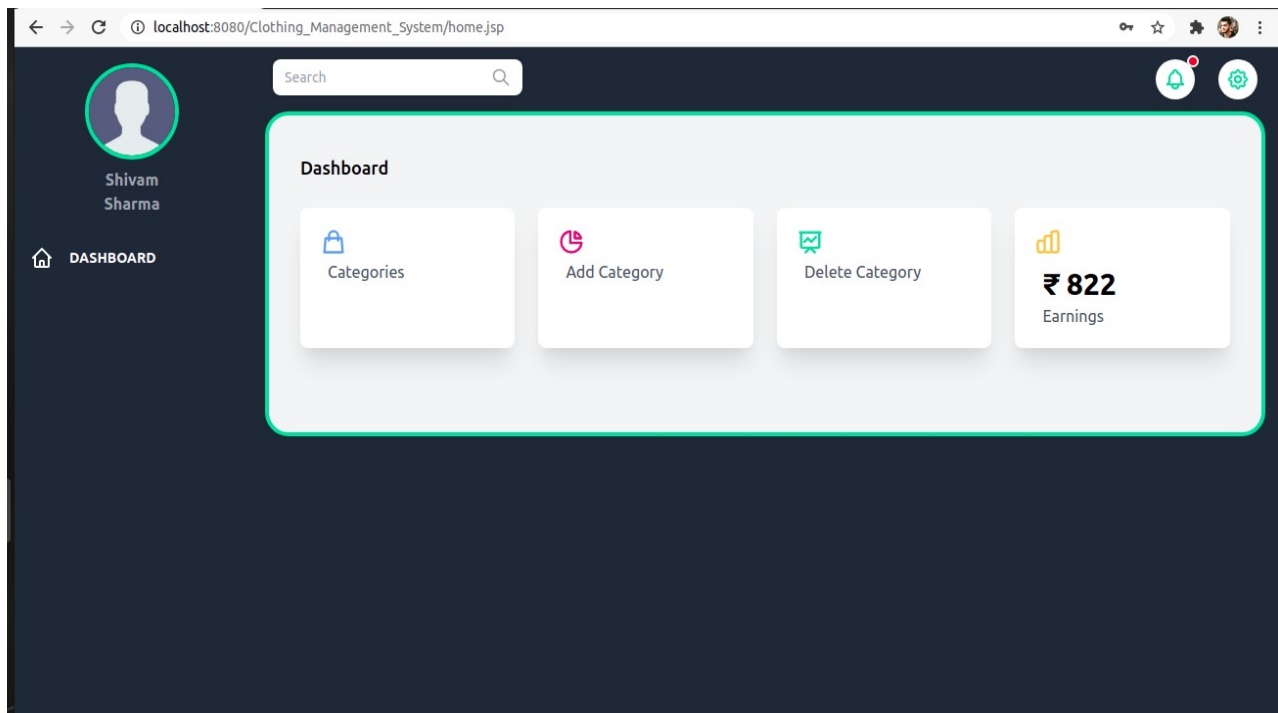
Email
johnsmith@example.com

Customer

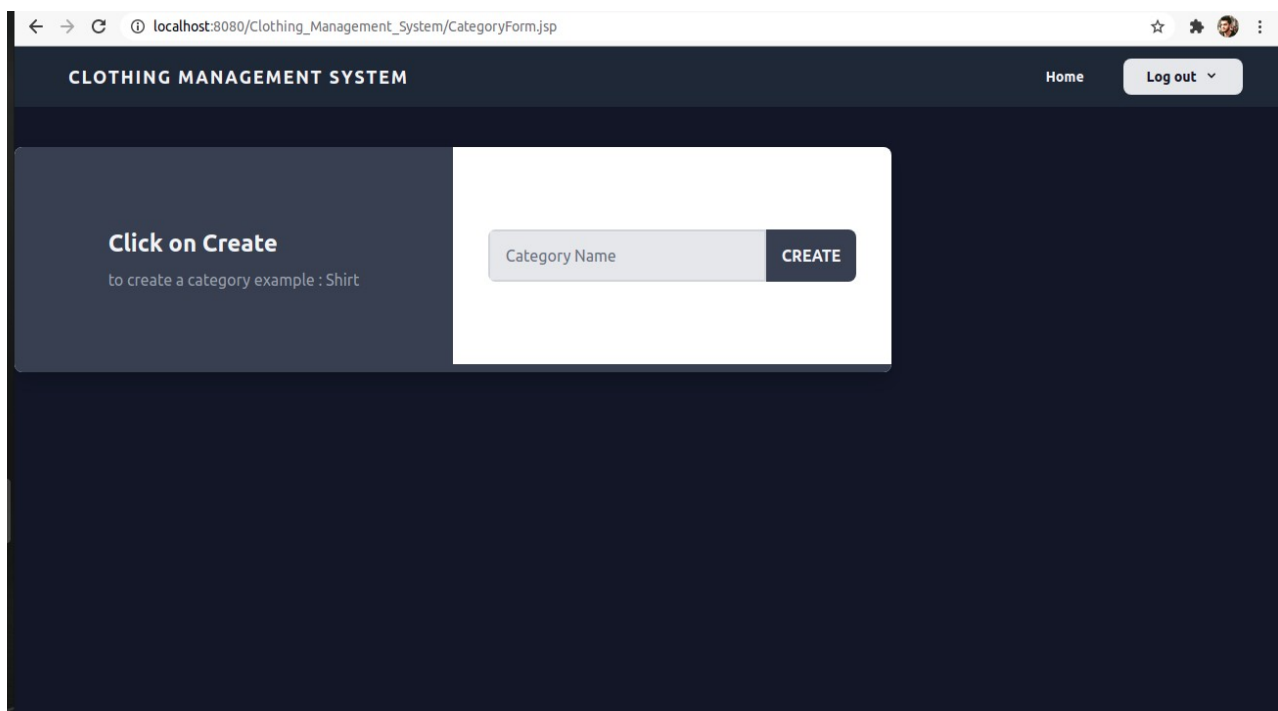
Create Password

REGISTER NOW

3. Seller's Dashboard



4. Add Category



5. Delete Category

The screenshot shows a web browser window with the address bar displaying `localhost:8080/Clothing_Management_System/DeleteCategory.jsp`. The page has a dark blue header with the text "CLOTHING MANAGEMENT SYSTEM" on the left and "Home" and "Log out" on the right. The main content area is divided into two sections. On the left, a dark blue box contains the text "Click on Delete" and "to delete a category example : Shirt". On the right, a white box contains a form with a text input field labeled "Category Name", a dark blue button labeled "DELETE", and a blue button labeled "Done".

localhost:8080/Clothing_Management_System/DeleteCategory.jsp

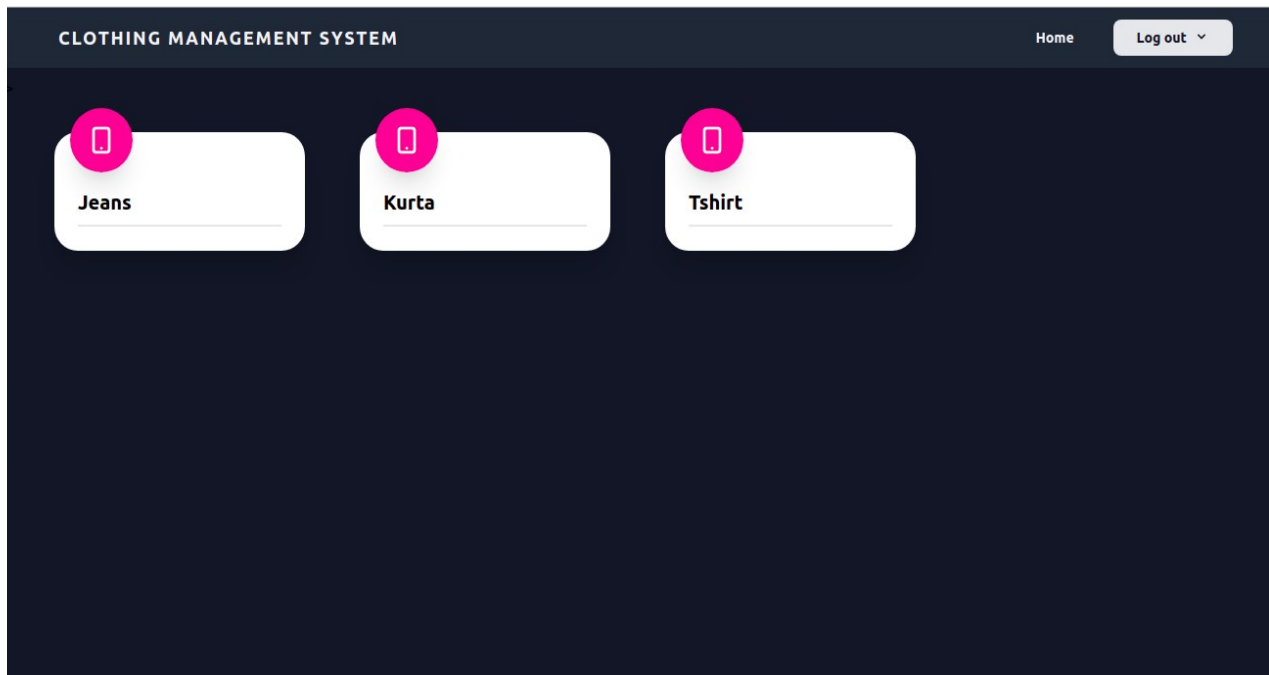
CLOTHING MANAGEMENT SYSTEM

Home Log out

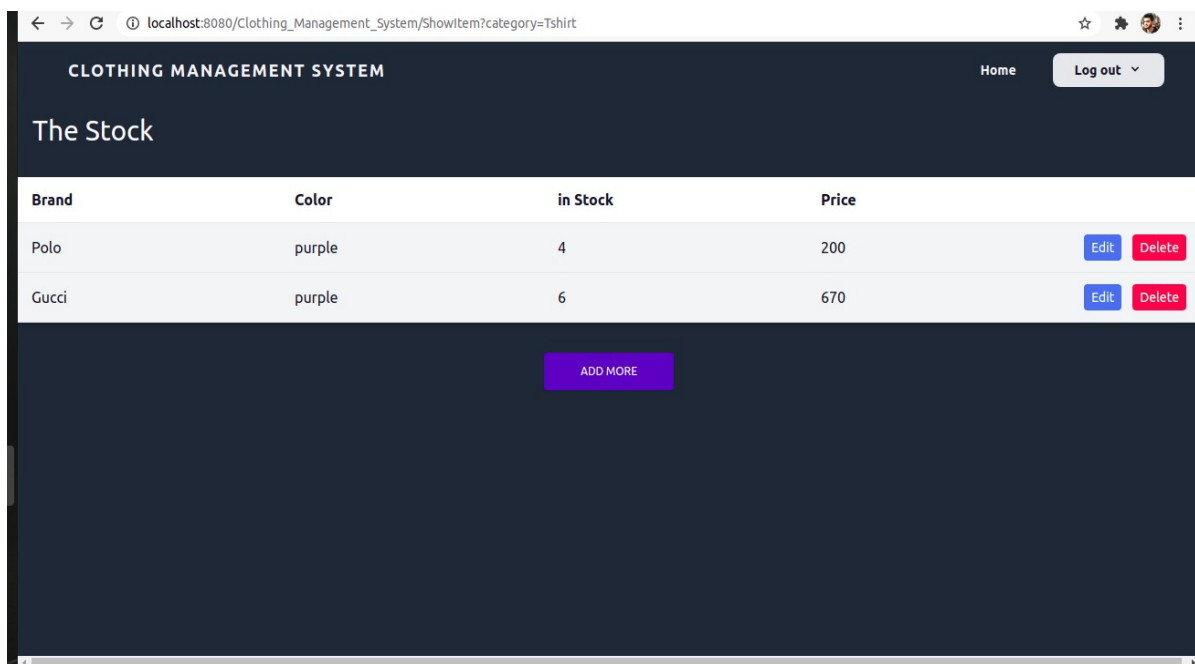
Click on Delete
to delete a category example : Shirt

Category Name DELETE Done

6. Viewing categories



7. Viewing Stock of a Category.



CONCLUSION & FUTURE SCOPE

- We have been successfully able to build up an efficient Clothing Management System satisfying the needs of the seller and customer.
- In future, we are planning to add some more features into this system and make this e-commerce site more attractive for the customer so as to enhance the business.

Some features we are planning to add up in

the future:

- 1)A chatroom for both sellers and customers
- 2)Sellers would be able to upload pictures of their products.
- 3)We'll provide a review section where a customer would be able to provide his views on a particular item.
- 4)Generation of a digital receipt and sending it over mail.
- 5)Both customers and sellers would be able to upload their profile pictures.
- 6)Firebase authentication.

BIBLIOGRAPHY

- Tailwind Css.
- Youtube
- StackOverFlow
- Google

Our Github Repository **Link for the Project**

<https://github.com/realshivam/Group-Project.git>