

PHASE-3 PROJECT – SPORTY SHOES

E-COMMERCE WEBSITE

Project Objective- Make an E-Commerce Website for Sporty Shoes.

Project Background- Sporty Shoes is a company that manufactures and sells sports shoes. They have a walk-in store, and now, they wish to launch their ecommerce portal sportyshoes.com.

Developer Details-

Name- Twarit Soni.

Simplilearn UserID- twarit.s88@gmail.com.

Github Link:

https://github.com/twarit08/Phase3_Project_Sporty_Shoes.git

PRODUCT FEATURES –

1. Sporty Shoes web application is made specifically to the required business needs, it's completely flexible and scalable to the business demands and growth
2. All records like orders, products, user data etc. can be maintained through this web application. That will lead to streamline the business processes leading to greater accuracy.
3. The User Interaction of this web app is very simple. That also attracts more visitors, which can be transformed to customers.
4. The User can make order in a customized way. User can choose product from wide range of variety by customizing as per requirement.
5. There is an Admin to handle the user request and to manage the products.

6. The web app is capable of registering users. The admin can search user registered by their names.
7. The Admin can login through two credentials i.e., Username and Password. The Admin can also change password if required.
8. Through Admin home page, admin can add, delete and update the products. The admin can also manage the orders and registration created by users.
9. All these features will lead to improved efficiency and better business performance.

JAVA CONCEPTS AND OTHER CONCEPTS USED-

- The web application is built on Spring Boot that follows Spring MVC design pattern.
- Spring core.
- Spring data JPA.
- Bean Validation API and Hibernate validator.
- Entity Mapping Relationship.
- Iterable, Collections, Optional.
- Interfaces, Classes and Objects.
- MySQL for RDBMS.
- Thymeleaf Template Engine.
- HTML, CSS.

SPRINT PLANNING AND TASK ACHIEVED-

Number of sprint planned = 3.

Sprint 1:

- Planned to develop an admin login page. Developed successfully.

- Planned to develop change admin password, logout feature and admin home page. Features developed successfully.
- Planned to develop User registration form and Browse list of users with search user feature in admin homepage. Development was successful.

Sprint 2:

- Planned to develop add, delete, update product and show all product features. Development was successful.
- Planned to develop create order from user and search purchase report by date and category feature in admin home page. Features developed successfully.

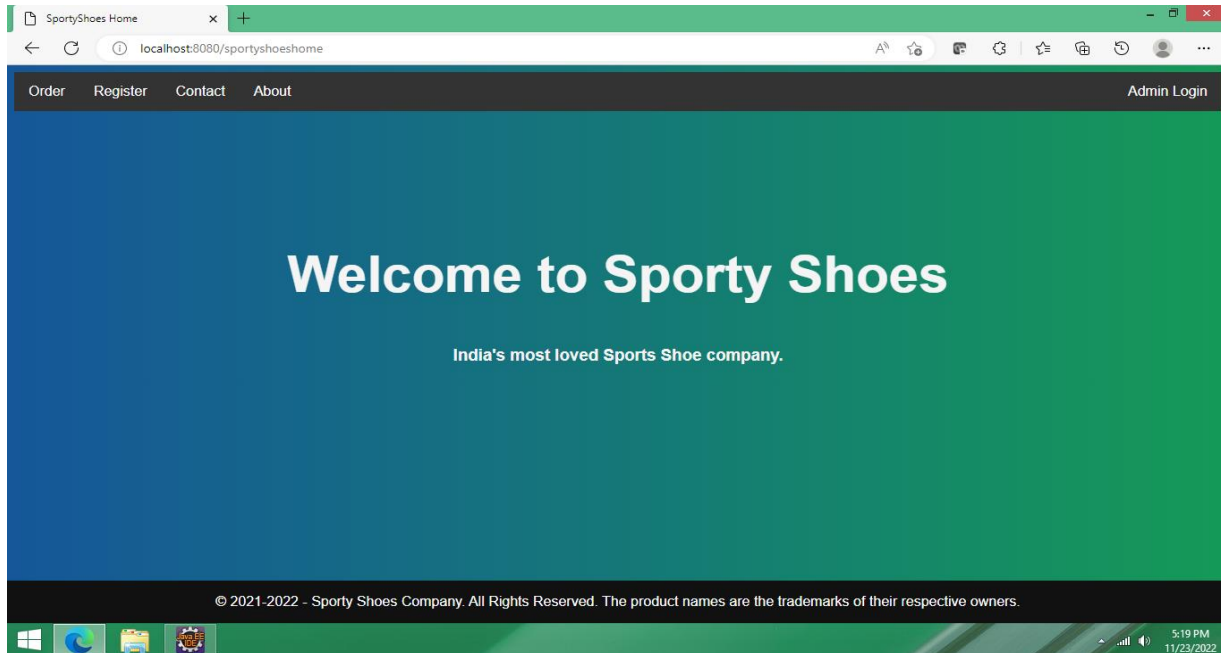
Sprint 3:

- Planned to integrate the features required in admin home page and user home page. Integration was successful.
- Planned to test complete application by giving inputs. Test was successful and application is working as per the requirement.

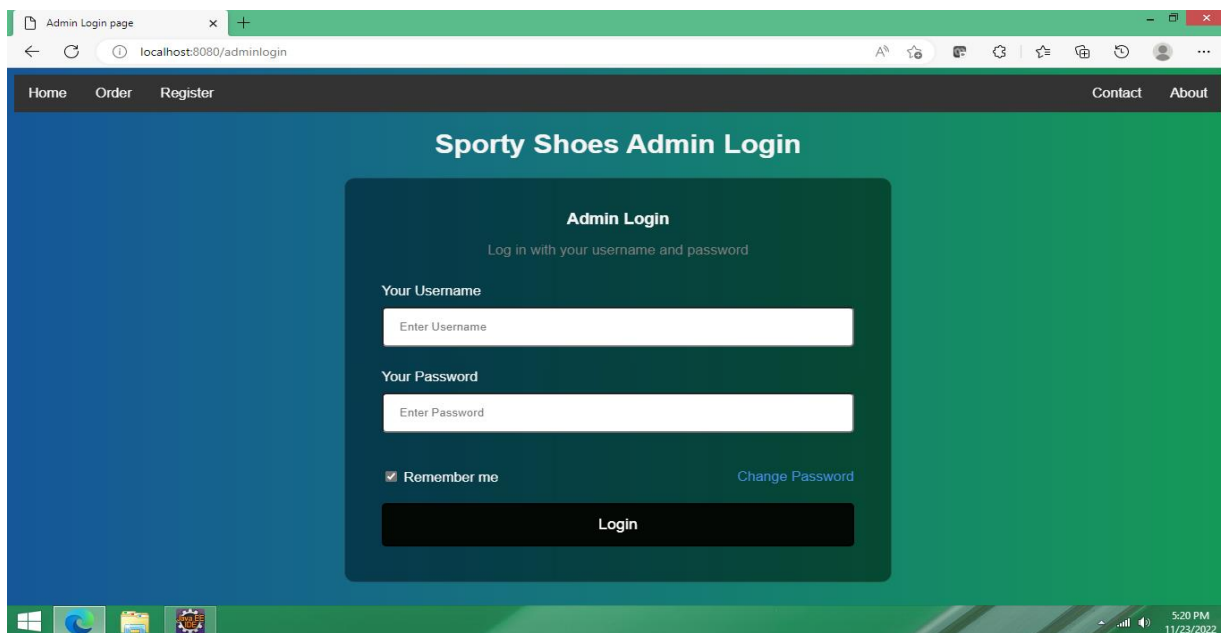
Sporty Shoes E-commerce Website

(Appearance and User Interactions)

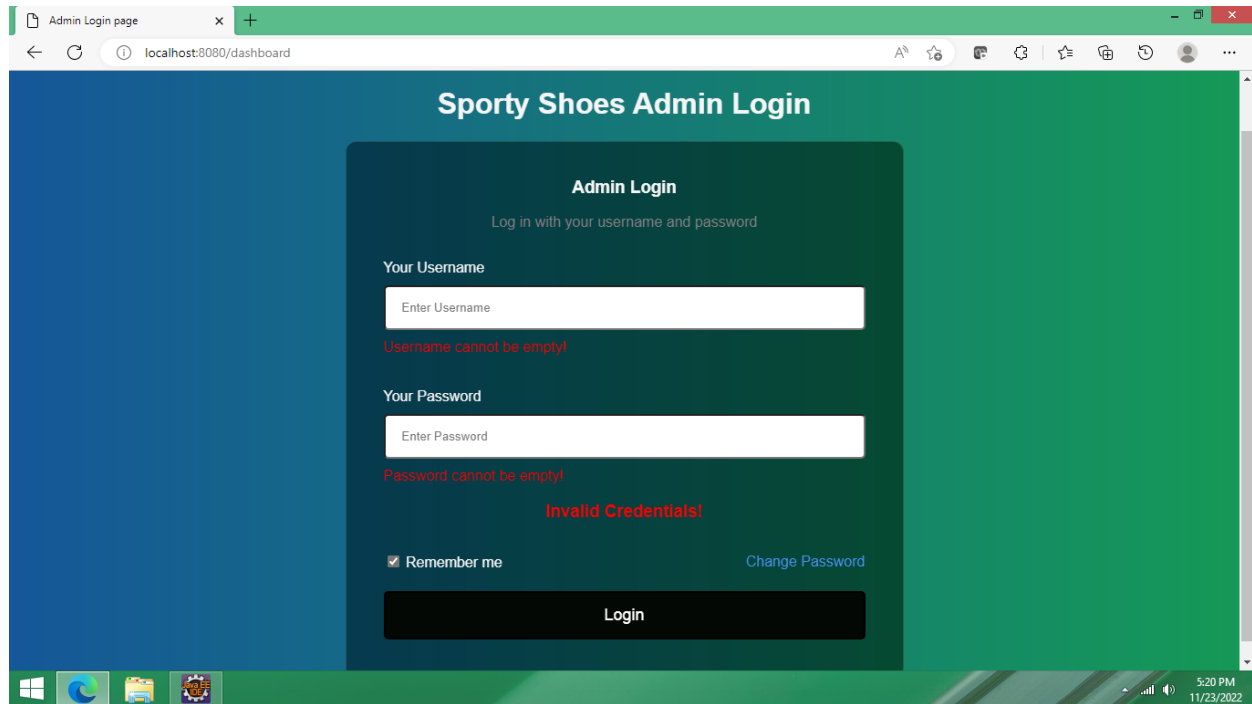
1. User Home Page-



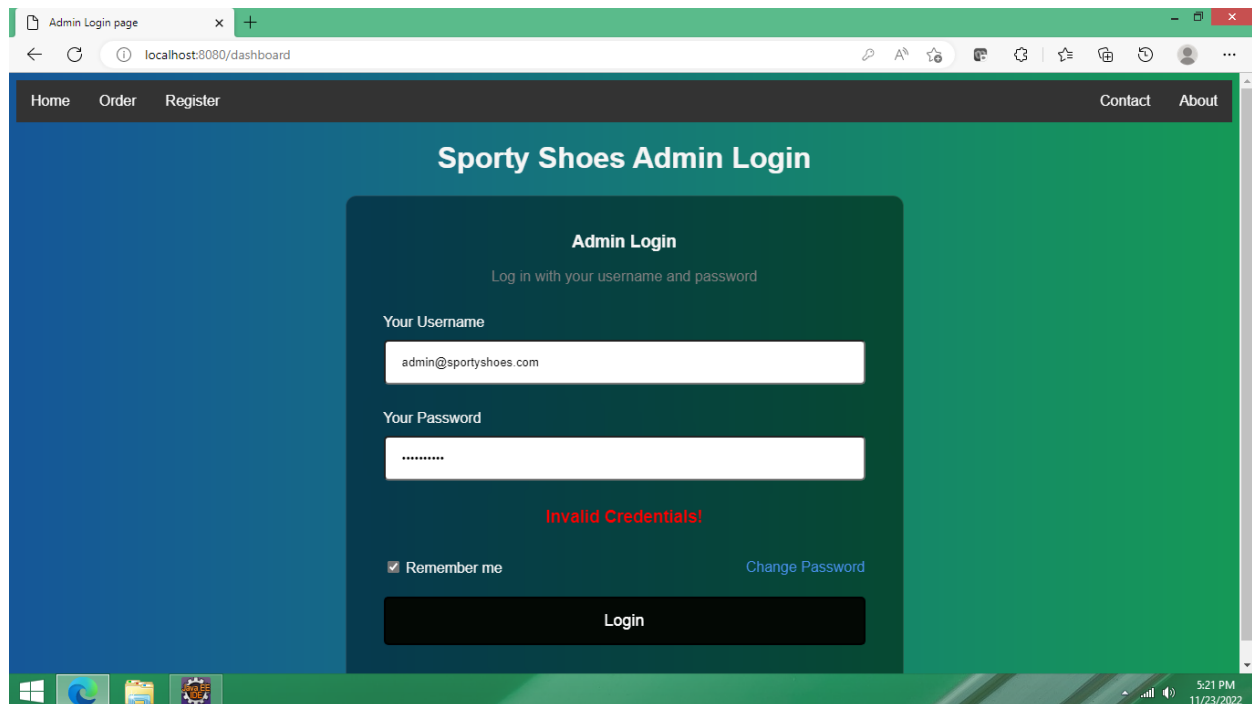
2. Clicking on Admin Login-



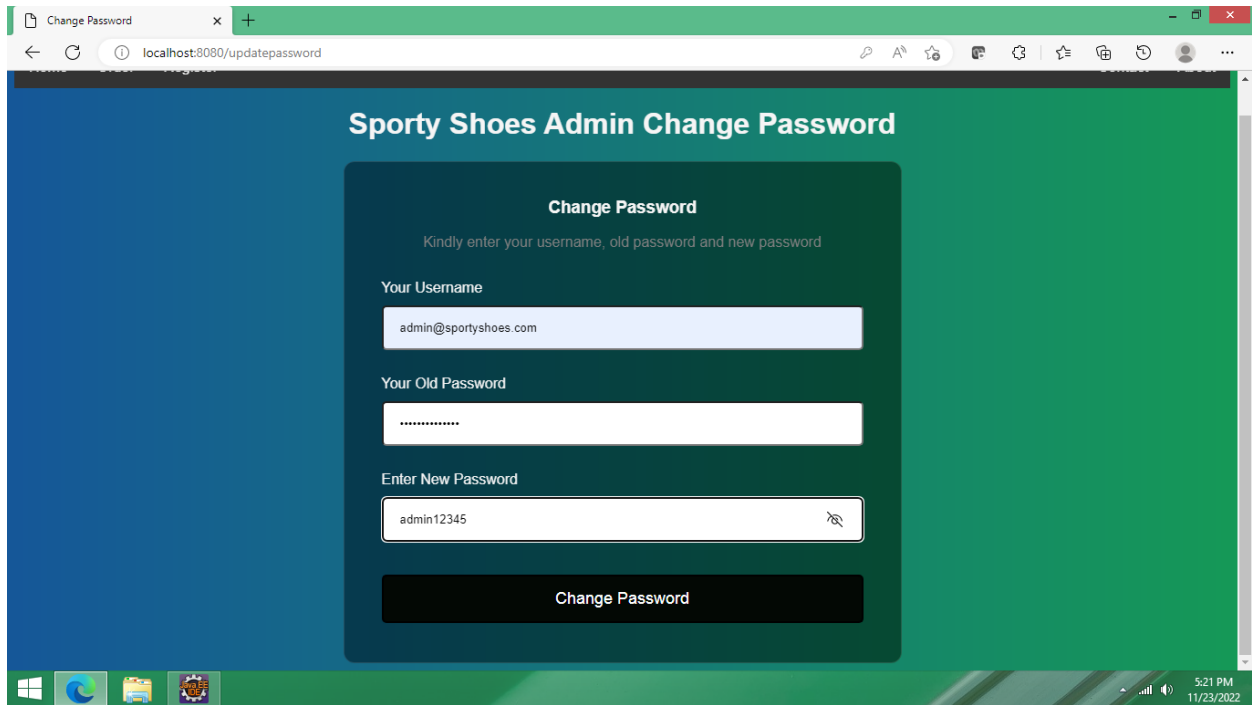
3. Click on Login without filling data-



4. On giving wrong credentials-



5. Clicking on Change Password-



A screenshot of a web browser window showing the 'Sporty Shoes Admin Change Password' page. The browser's address bar displays 'localhost:8080/updatepassword'. The page has a dark green header with the title 'Sporty Shoes Admin Change Password'. Below the header, a dark green box contains the form. The form is titled 'Change Password' and includes a subtitle 'Kindly enter your username, old password and new password'. It features three input fields: 'Your Username' with the value 'admin@sportyshoes.com', 'Your Old Password' with masked characters '*****', and 'Enter New Password' with the value 'admin12345'. A black 'Change Password' button is at the bottom of the form. The Windows taskbar at the bottom shows the time as 5:21 PM on 11/23/2022.

Change Password

Kindly enter your username, old password and new password

Your Username

admin@sportyshoes.com

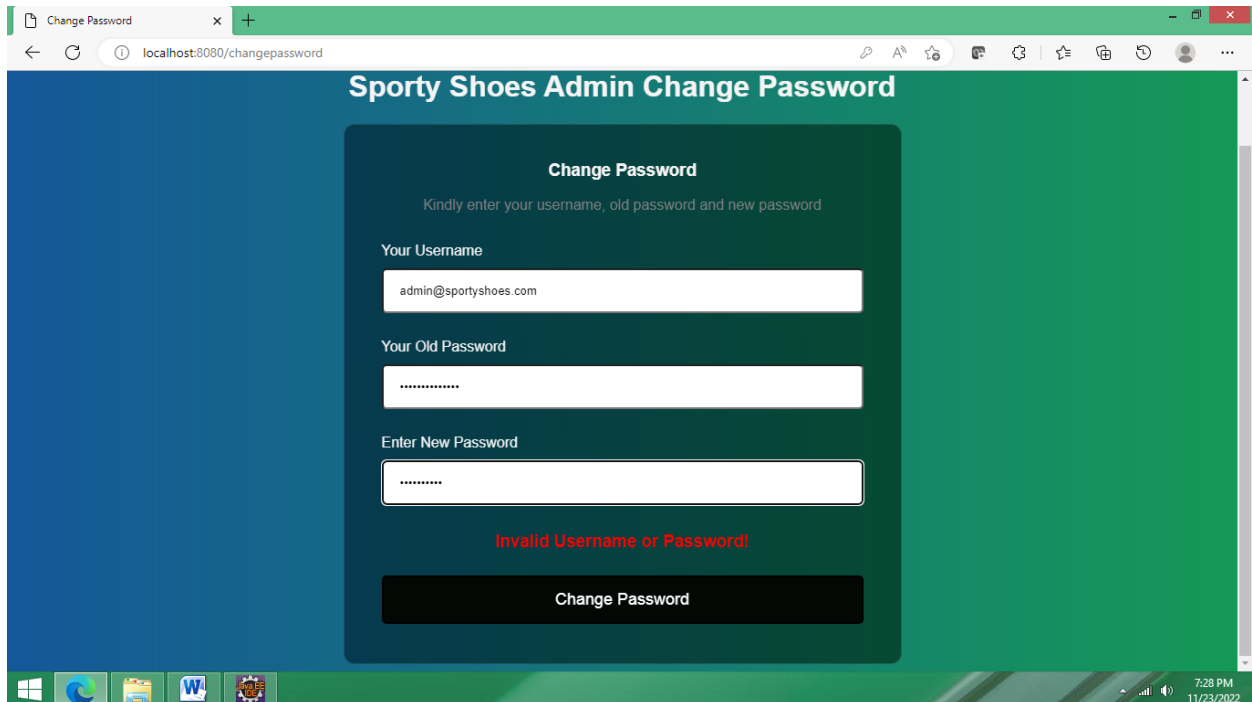
Your Old Password

Enter New Password

admin12345

Change Password

6. Validation for wrong credentials-



A screenshot of the same 'Sporty Shoes Admin Change Password' page, but with an error message. The browser's address bar now displays 'localhost:8080/changepassword'. The form fields are the same as in the previous screenshot. Below the 'Enter New Password' field, a red error message reads 'Invalid Username or Password!'. The 'Change Password' button remains at the bottom. The Windows taskbar at the bottom shows the time as 7:28 PM on 11/23/2022.

Change Password

Kindly enter your username, old password and new password

Your Username

admin@sportyshoes.com

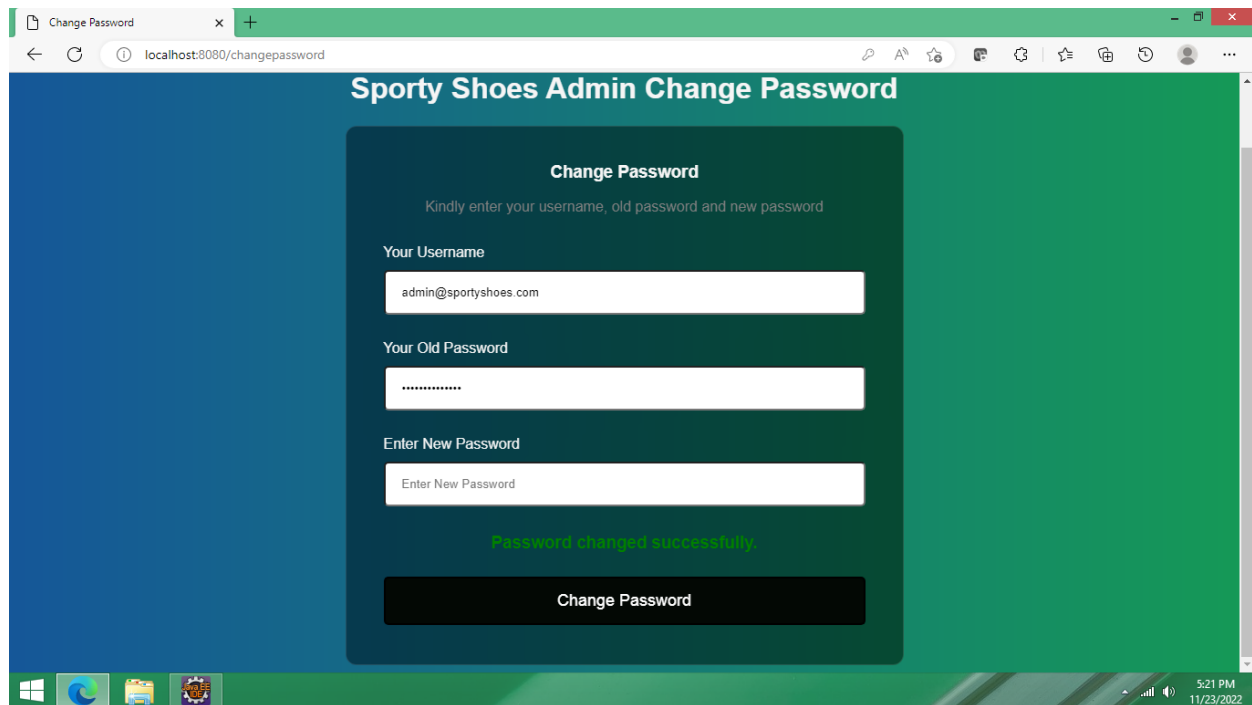
Your Old Password

Enter New Password

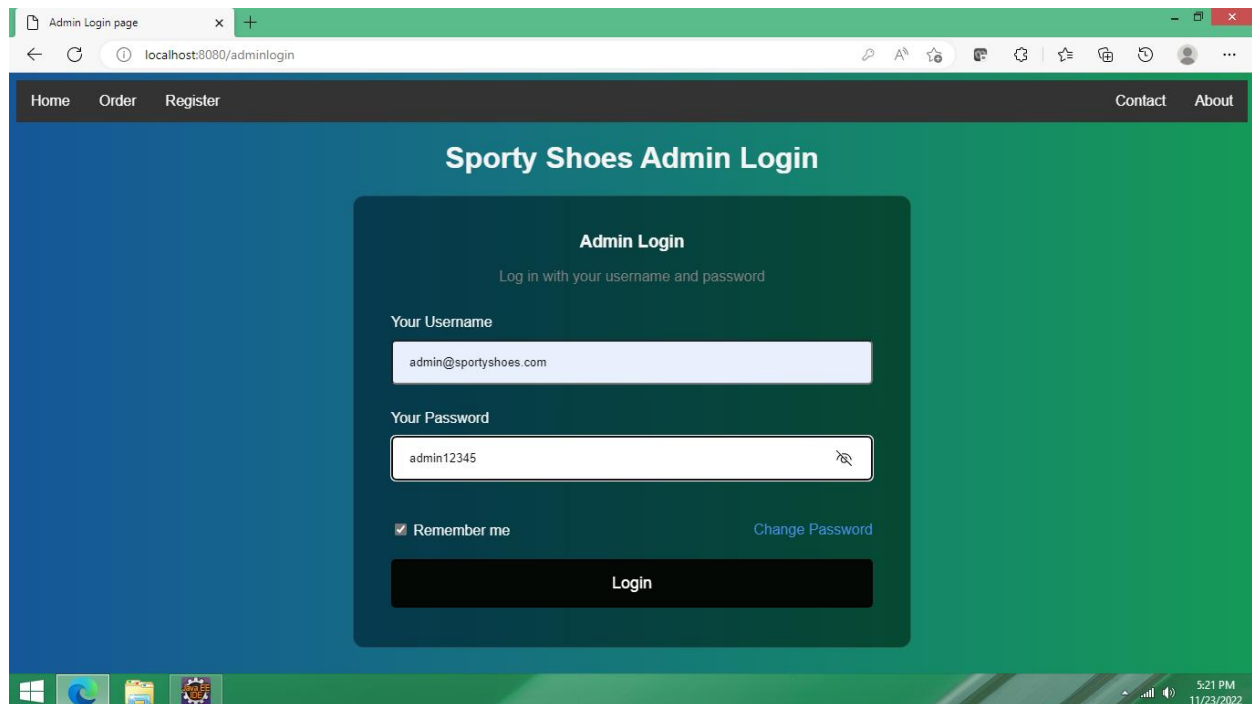
Invalid Username or Password!

Change Password

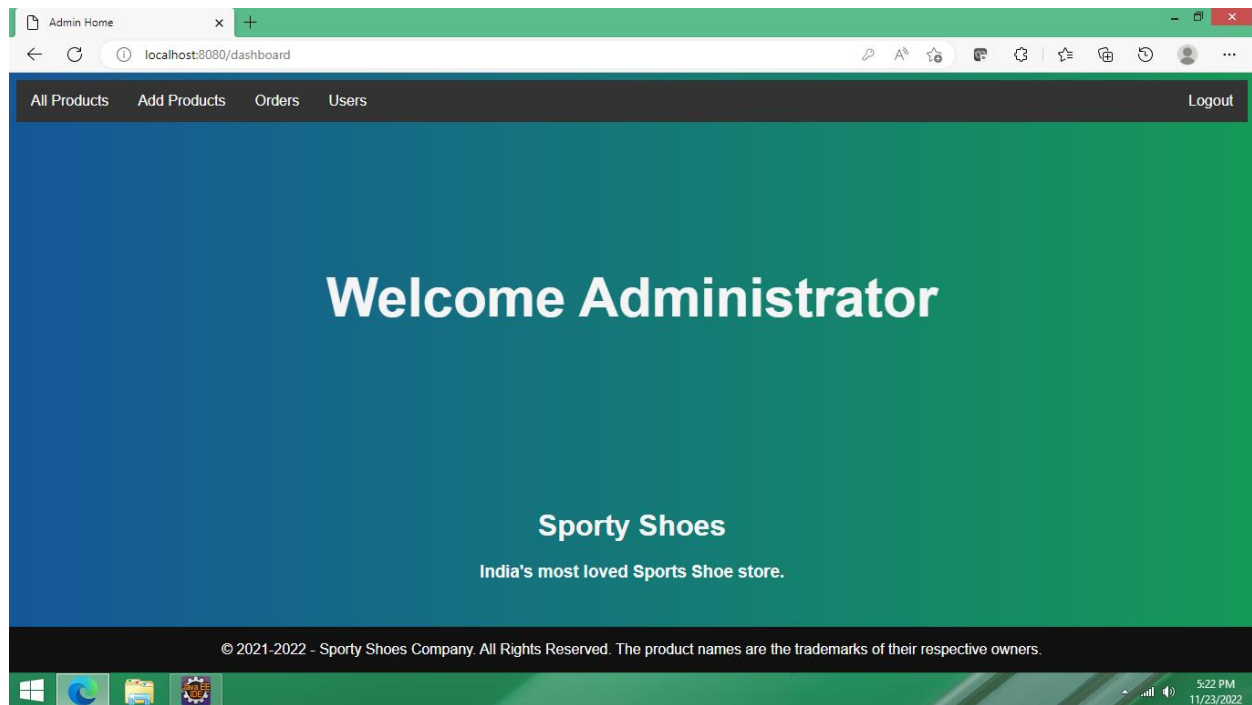
7. On giving right credentials, password changed message-



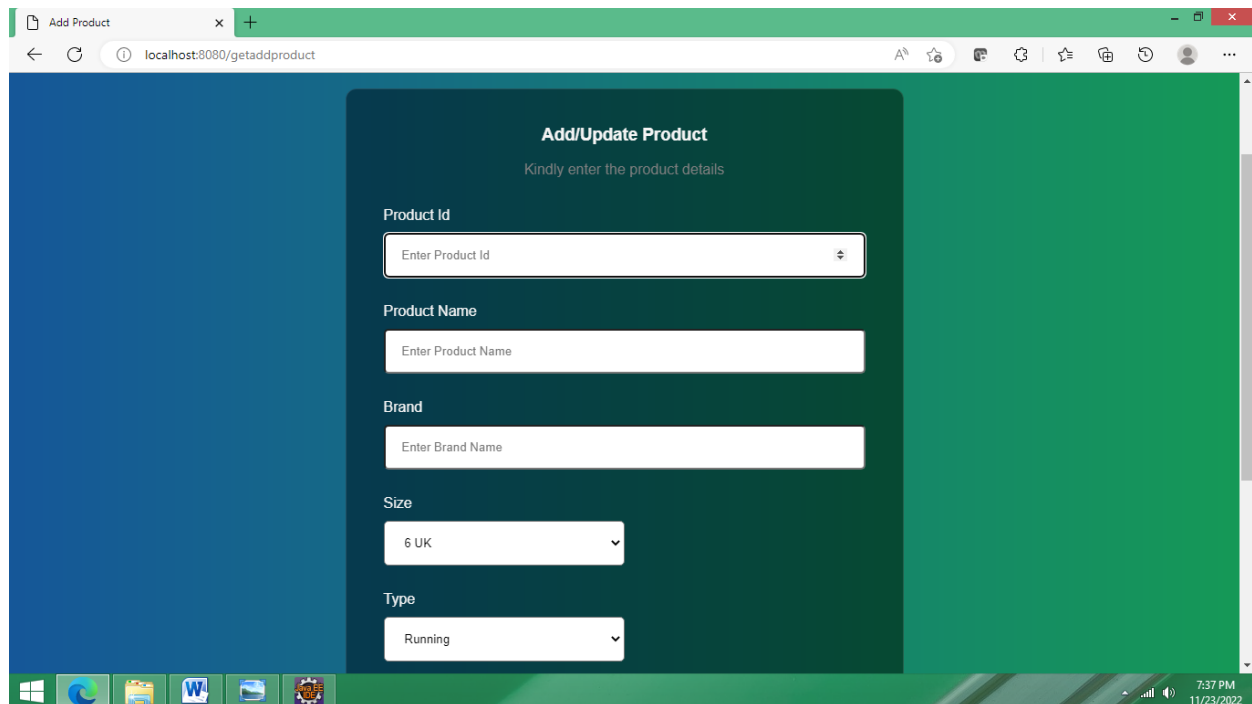
8. Admin Login with new Password-



9. Admin Home Page-



10. Clicking on Add Products-



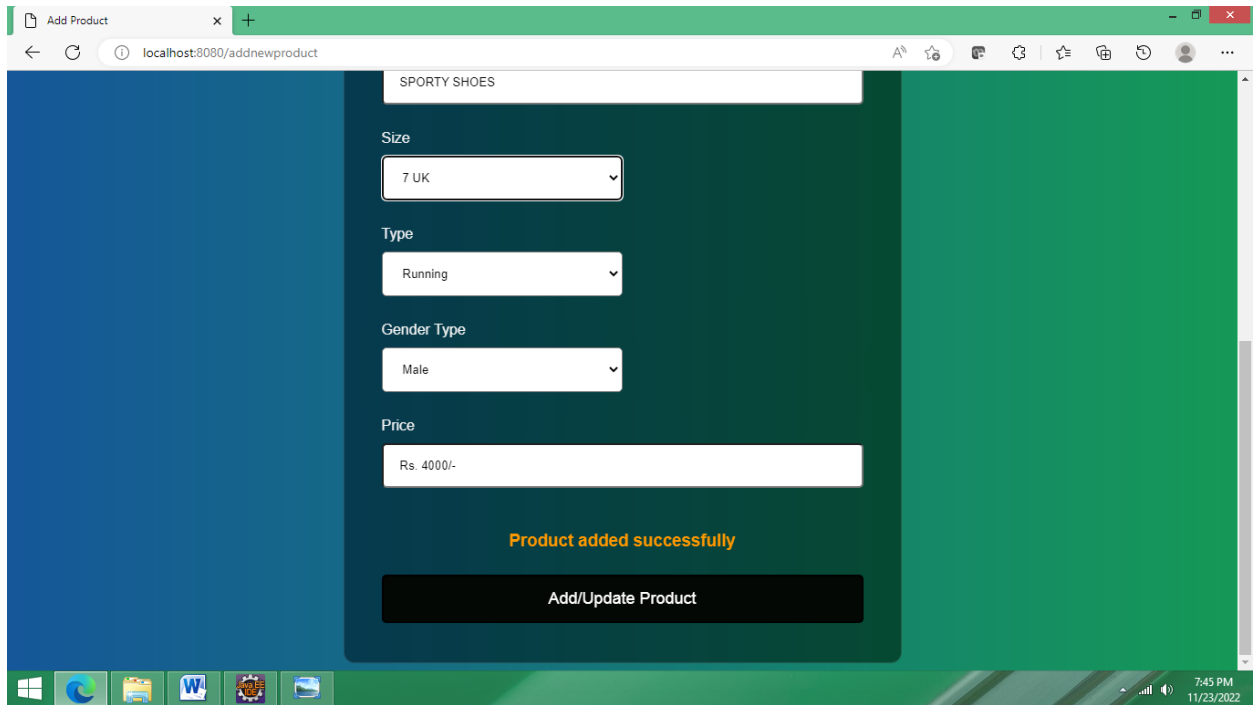
11. Click on add product without data-

The screenshot shows a web browser window with two tabs: 'Admin Home' and 'Add Product'. The address bar shows 'localhost:8080/addnewproduct'. The page has a green header with the text 'Sporty Shoes'. The main content area is a dark green box titled 'Add/Update Product' with the subtitle 'Kindly enter the product details'. Inside this box, there are four input fields: 'Product Id' (containing '0'), 'Product Name' (containing 'Enter Product Name'), 'Brand' (containing 'Enter Brand Name'), and 'Size' (empty). Below the 'Product Id' field, there is a red error message: 'Id must be greater than 0'. Below the 'Product Name' field, there is a red error message: 'Name cannot be empty'. Below the 'Brand' field, there is a red error message: 'Brand cannot be empty'. The Windows taskbar at the bottom shows the time as 5:23 PM on 11/23/2022.

12. On giving input-

The screenshot shows the same web browser window as in the previous image, but now the form fields are filled with data. The 'Product Id' field contains '114'. The 'Product Name' field contains 'Runners 2.0'. The 'Brand' field contains 'SPORTY SHOES'. The 'Size' field is a dropdown menu with '6 UK' selected. The 'Type' field is a dropdown menu with 'Running' selected. The red error messages are no longer visible. The Windows taskbar at the bottom shows the time as 5:24 PM on 11/23/2022.

13. On clicking Add Product-



SPORTY SHOES

Size

7 UK

Type

Running

Gender Type

Male

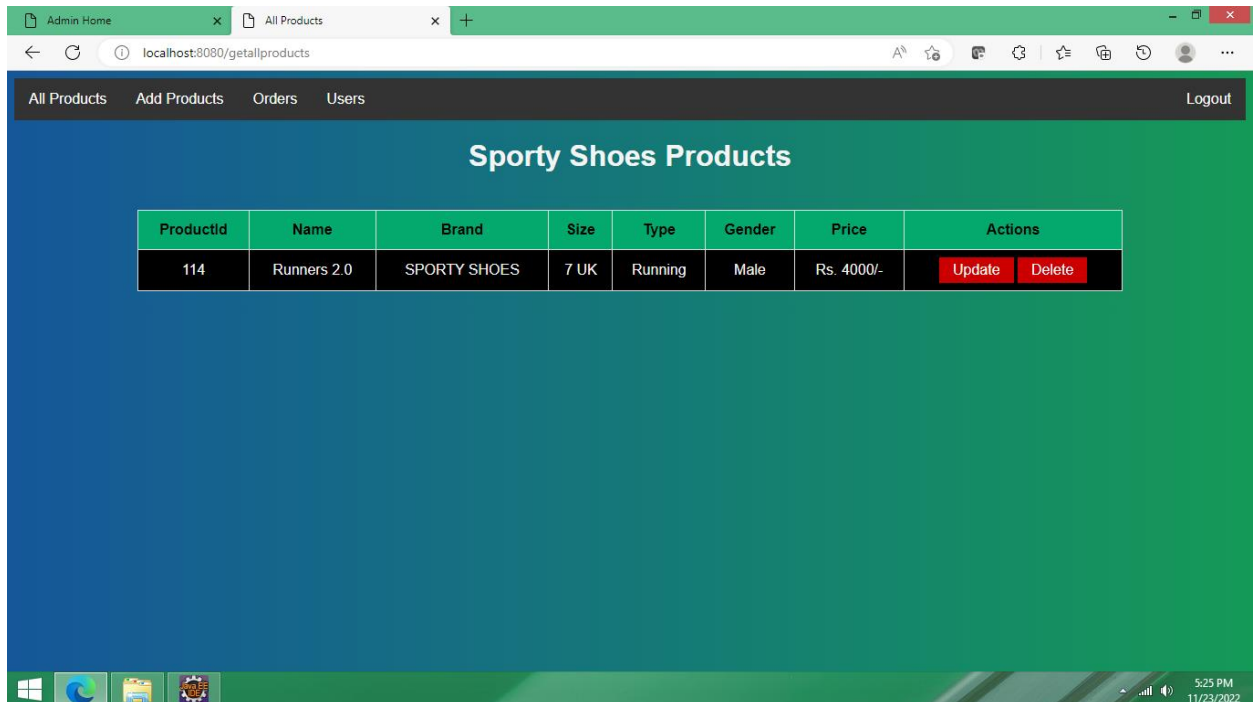
Price

Rs. 4000/-

Product added successfully

Add/Update Product

14. On clicking All Products-



All Products Add Products Orders Users Logout

Sporty Shoes Products

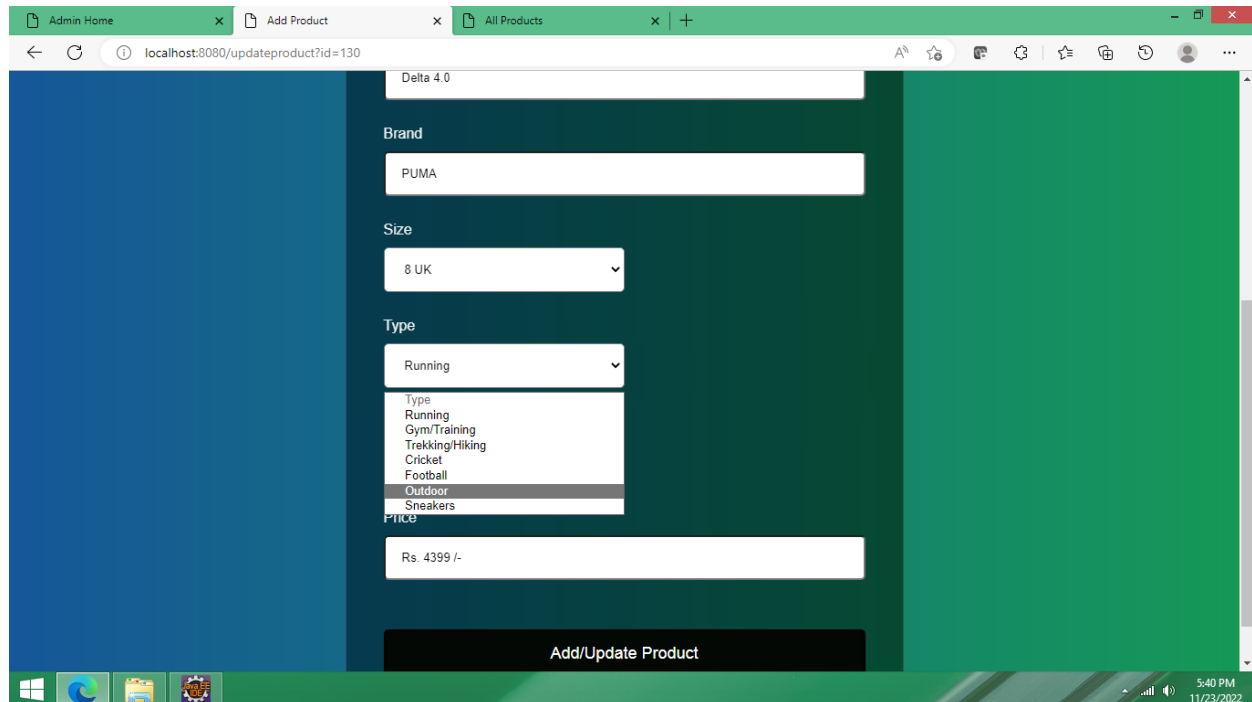
ProductId	Name	Brand	Size	Type	Gender	Price	Actions
114	Runners 2.0	SPORTY SHOES	7 UK	Running	Male	Rs. 4000/-	Update Delete

15. Adding more products-



117	Arch Fit	SKECHERS	8 UK	Running	Unisex	Rs. 5000 /-	Update	Delete
118	Arch Fit Trek	SKECHERS	7 UK	Trekking/Hiking	Unisex	Rs. 7000 /-	Update	Delete
119	Arch Fit Trek	SKECHERS	8 UK	Running	Unisex	Rs. 7000 /-	Update	Delete
120	Aerojolt 2.0	ADIDAS	7 UK	Football	Male	Rs. 6599 /-	Update	Delete
121	Aerojolt 2.0	ADIDAS	8 UK	Football	Male	Rs. 6599 /-	Update	Delete
122	Alpha 2.0	REEBOK	7 UK	Running	Female	Rs. 3999 /-	Update	Delete
123	Alpha 2.0	REEBOK	8 UK	Running	Female	Rs. 3999 /-	Update	Delete
124	Y-King 2	REEBOK	7 UK	Running	Male	Rs. 5999 /-	Update	Delete
125	Y-King 2	REEBOK	8 UK	Running	Male	Rs. 5999 /-	Update	Delete
126	Striker 2.5	SPORTY SHOES	7 UK	Running	Male	Rs. 2999 /-	Update	Delete
127	Striker 2.5	SPORTY SHOES	8 UK	Running	Male	Rs. 2999 /-	Update	Delete
128	Delta 4.0	PUMA	7 UK	Outdoor	Male	Rs. 4399 /-	Update	Delete
129	Delta 4.0	PUMA	8 UK	Running	Male	Rs. 4399 /-	Update	Delete
130	Delta 4.0	PUMA	9 UK	Running	Male	Rs. 4399 /-	Update	Delete

16. On clicking Update and changing type-



Delta 4.0

Brand

PUMA

Size

8 UK

Type

Running

Type

Running

Gym/Training

Trekking/Hiking

Cricket

Football

Outdoor

Sneakers

PRICE

Rs. 4399 /-

Add/Update Product

17. Product updated successfully-



117	Arch Fit	SKECHERS	8 UK	Running	Unisex	Rs. 5000 /-	Update	Delete
118	Arch Fit Trek	SKECHERS	7 UK	Trekking/Hiking	Unisex	Rs. 7000 /-	Update	Delete
119	Arch Fit Trek	SKECHERS	8 UK	Running	Unisex	Rs. 7000 /-	Update	Delete
120	Aerojolt 2.0	ADIDAS	7 UK	Football	Male	Rs. 6599 /-	Update	Delete
121	Aerojolt 2.0	ADIDAS	8 UK	Football	Male	Rs. 6599 /-	Update	Delete
122	Alpha 2.0	REEBOK	7 UK	Running	Female	Rs. 3999 /-	Update	Delete
123	Alpha 2.0	REEBOK	8 UK	Running	Female	Rs. 3999 /-	Update	Delete
124	Y-King 2	REEBOK	7 UK	Running	Male	Rs. 5999 /-	Update	Delete
125	Y-King 2	REEBOK	8 UK	Running	Male	Rs. 5999 /-	Update	Delete
126	Striker 2.5	SPORTY SHOES	7 UK	Running	Male	Rs. 2999 /-	Update	Delete
127	Striker 2.5	SPORTY SHOES	8 UK	Running	Male	Rs. 2999 /-	Update	Delete
128	Delta 4.0	PUMA	7 UK	Outdoor	Male	Rs. 4399 /-	Update	Delete
129	Delta Plus 4.0	PUMA	6 UK	Running	Male	Rs. 4399 /-	Update	Delete
130	Delta 4.0	PUMA	8 UK	Outdoor	Male	Rs. 4399 /-	Update	Delete

18. On clicking Delete of product id 129-



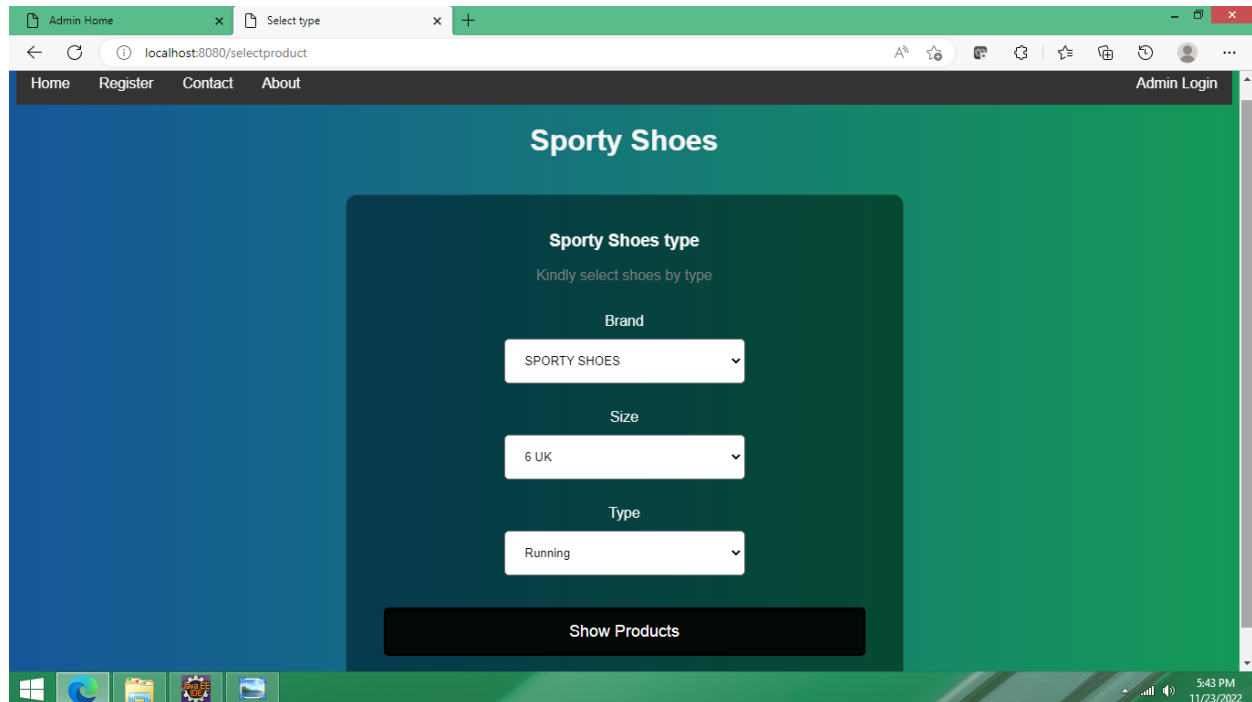
117	Arch Fit	SKECHERS	8 UK	Running	Unisex	Rs. 5000 /-	Update	Delete
118	Arch Fit Trek	SKECHERS	7 UK	Trekking/Hiking	Unisex	Rs. 7000 /-	Update	Delete
119	Arch Fit Trek	SKECHERS	8 UK	Running	Unisex	Rs. 7000 /-	Update	Delete
120	Aerojolt 2.0	ADIDAS	7 UK	Football	Male	Rs. 6599 /-	Update	Delete
121	Aerojolt 2.0	ADIDAS	8 UK	Football	Male	Rs. 6599 /-	Update	Delete
122	Alpha 2.0	REEBOK	7 UK	Running	Female	Rs. 3999 /-	Update	Delete
123	Alpha 2.0	REEBOK	8 UK	Running	Female	Rs. 3999 /-	Update	Delete
124	Y-King 2	REEBOK	7 UK	Running	Male	Rs. 5999 /-	Update	Delete
125	Y-King 2	REEBOK	8 UK	Running	Male	Rs. 5999 /-	Update	Delete
126	Striker 2.5	SPORTY SHOES	7 UK	Running	Male	Rs. 2999 /-	Update	Delete
127	Striker 2.5	SPORTY SHOES	8 UK	Running	Male	Rs. 2999 /-	Update	Delete
128	Delta 4.0	PUMA	7 UK	Outdoor	Male	Rs. 4399 /-	Update	Delete
129	Delta Plus 4.0	PUMA	6 UK	Running	Male	Rs. 4399 /-	Update	Delete
130	Delta 4.0	PUMA	8 UK	Outdoor	Male	Rs. 4399 /-	Update	Delete

19. Updated result after deleting-



116	Arch Fit	SKECHERS	7 UK	Outdoor	Unisex	Rs. 5000 /-	Update	Delete
117	Arch Fit	SKECHERS	8 UK	Running	Unisex	Rs. 5000 /-	Update	Delete
118	Arch Fit Trek	SKECHERS	7 UK	Trekking/Hiking	Unisex	Rs. 7000 /-	Update	Delete
119	Arch Fit Trek	SKECHERS	8 UK	Running	Unisex	Rs. 7000 /-	Update	Delete
120	Aerajolt 2.0	ADIDAS	7 UK	Football	Male	Rs. 6599 /-	Update	Delete
121	Aerajolt 2.0	ADIDAS	8 UK	Football	Male	Rs. 6599 /-	Update	Delete
122	Alpha 2.0	REEBOK	7 UK	Running	Female	Rs. 3999 /-	Update	Delete
123	Alpha 2.0	REEBOK	8 UK	Running	Female	Rs. 3999 /-	Update	Delete
124	Y-King 2	REEBOK	7 UK	Running	Male	Rs. 5999 /-	Update	Delete
125	Y-King 2	REEBOK	8 UK	Running	Male	Rs. 5999 /-	Update	Delete
126	Striker 2.5	SPORTY SHOES	7 UK	Running	Male	Rs. 2999 /-	Update	Delete
127	Striker 2.5	SPORTY SHOES	8 UK	Running	Male	Rs. 2999 /-	Update	Delete
128	Delta 4.0	PUMA	7 UK	Outdoor	Male	Rs. 4399 /-	Update	Delete
130	Delta 4.0	PUMA	8 UK	Outdoor	Male	Rs. 4399 /-	Update	Delete

20. On clicking Order from Home page-



Home Register Contact About Admin Login

Sporty Shoes

Sporty Shoes type
Kindly select shoes by type

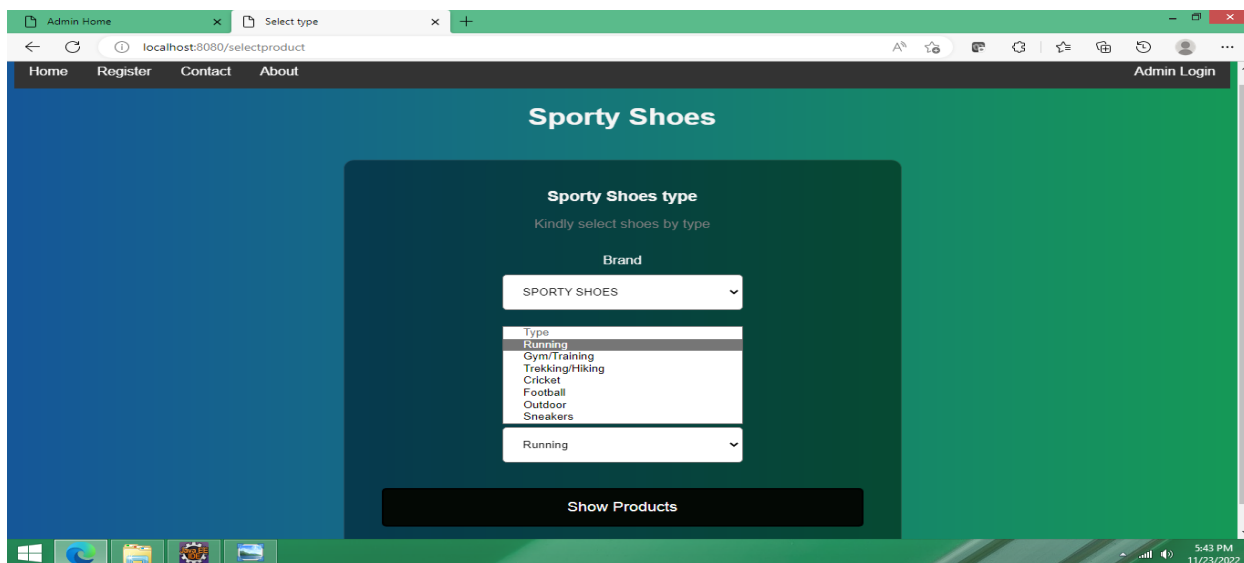
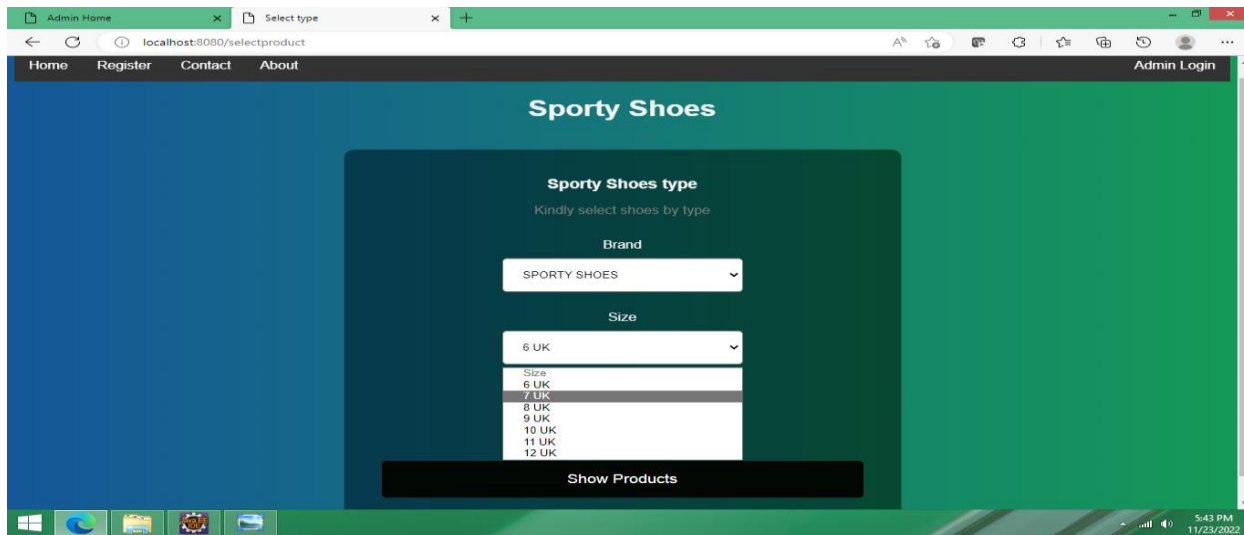
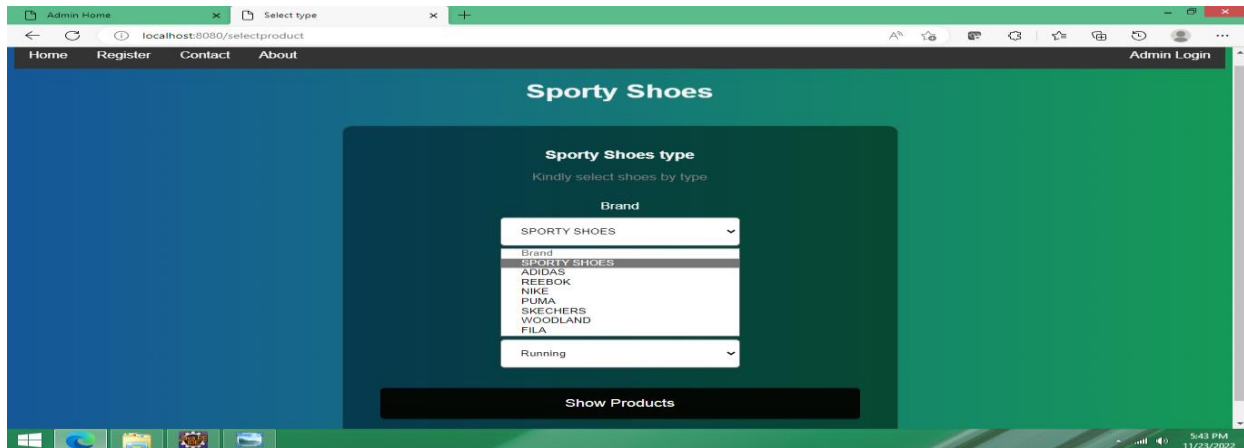
Brand
SPORTY SHOES

Size
6 UK

Type
Running

Show Products

21. Selecting Brand, Size and Type-



22. On clicking Show Products-

The screenshot shows a web browser window with two tabs: 'Admin Home' and 'Products'. The address bar displays the URL: `localhost:8080/getproducts?brand=SPORTY+SHOES&size=7+UK&type=Running`. The navigation bar includes links for 'Home', 'Order', 'Register', 'Contact', 'About', and an 'Admin Login' button. The main heading is 'Sporty Shoes Products'. Below it is a table with the following data:

ProductId	Name	Brand	Size	Type	Gender	Price	Actions
114	Runners 2.0	SPORTY SHOES	7 UK	Running	Male	Rs. 4000/-	Buy
126	Striker 2.5	SPORTY SHOES	7 UK	Running	Male	Rs. 2999 /-	Buy

The Windows taskbar at the bottom shows the time as 5:44 PM on 11/23/2022.

23. On clicking Buy-

The screenshot shows a web browser window with two tabs: 'Admin Home' and 'Order Product'. The address bar displays the URL: `localhost:8080/buynow?pid=114`. The navigation bar includes links for 'Home', 'Register', 'Contact', 'About', and an 'Admin Login' button. The main heading is 'Sporty Shoes'. Below it is a 'Create an Order' form with the instruction 'Kindly enter your details'. The form contains the following fields:

- Username**: A text input field with the placeholder 'Enter your name'.
- Choose Membership Category**: A dropdown menu with 'Basic' selected.
- Name**: A text input field with the placeholder 'Enter your name'.
- House Address**: A text input field with the placeholder 'Enter your house address'.

The Windows taskbar at the bottom shows the time as 5:47 PM on 11/23/2022.

24. On giving input-

Admin Home x Order Product x +

localhost:8080/buynow?pid=114

Username
Twarit@08

Choose Membership Category
Standard

Name
Twarit Soni

House Address
2119, 1st Cross Road, Icon Apartments

City
Bengaluru

State
Karnataka

11/23/2022 5:48 PM 11/23/2022

Admin Home x Order Product x +

localhost:8080/buynow?pid=114

11/23/2022

Product name
Runners 2.0

Brand
SPORTY SHOES

Size
7 UK

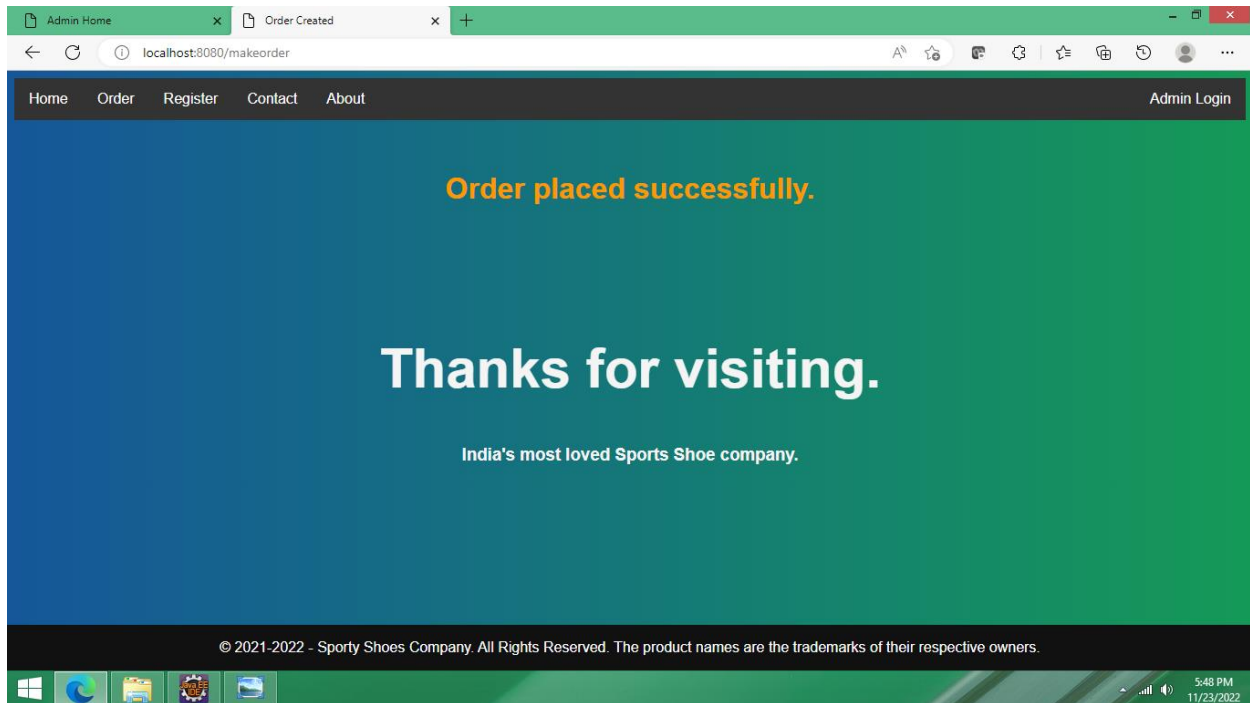
Type
Running

Price
Rs. 4000/-

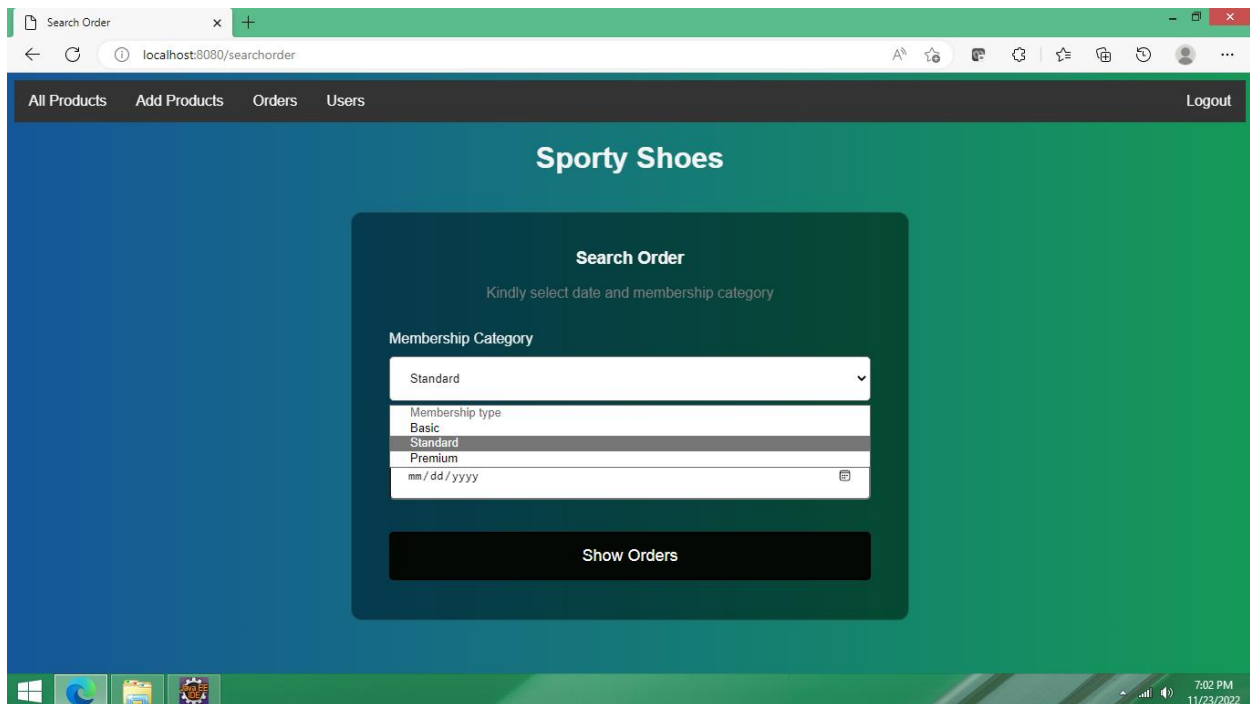
Place Order

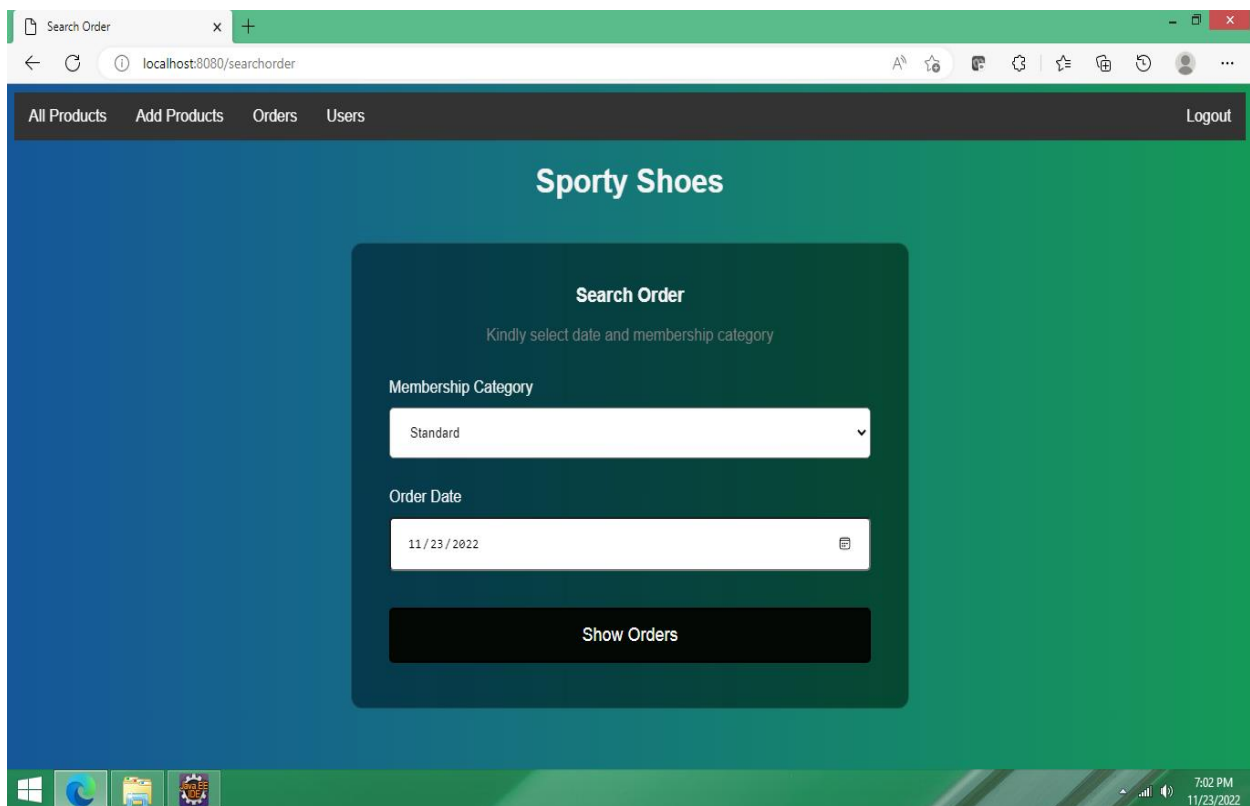
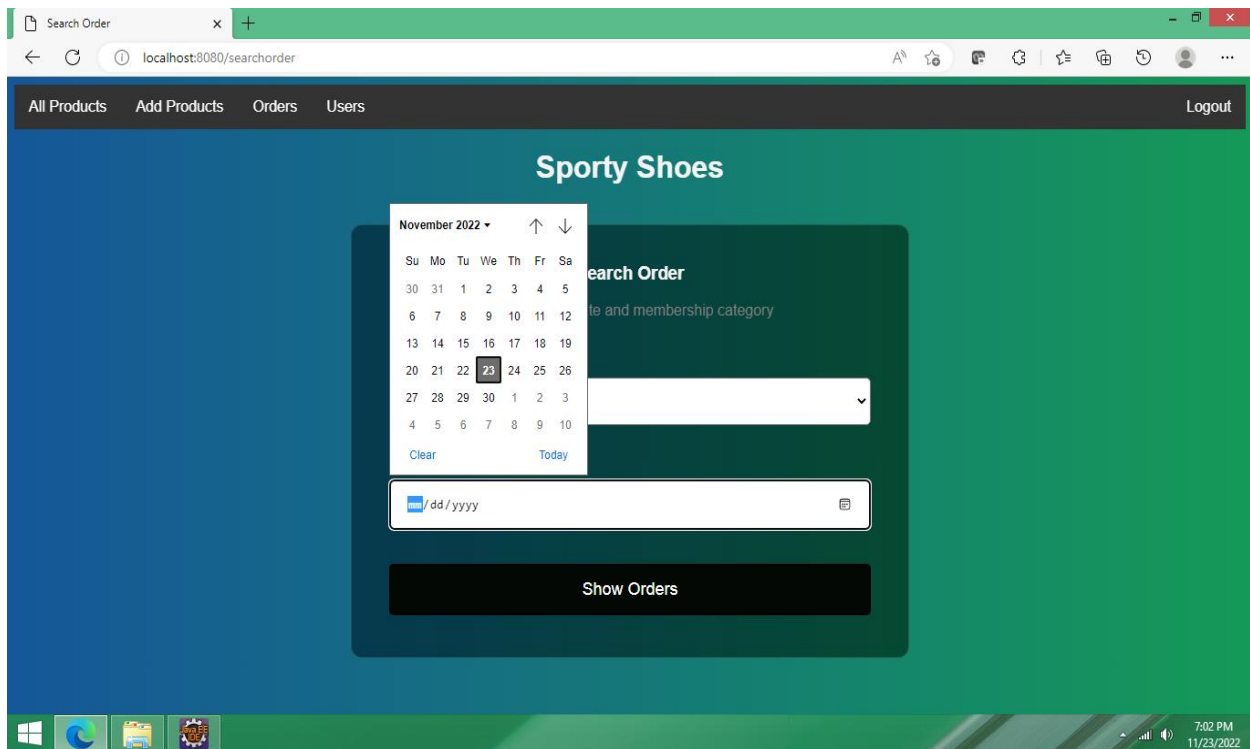
11/23/2022 5:48 PM 11/23/2022

26. On clicking Place Order-



27. On clicking Orders from Admin Home Page-





28. On clicking Show Orders-

The screenshot shows a web browser window with two tabs: 'SportyShoes Home' and 'Orders'. The address bar displays 'localhost:8080/showorders?category=Standard&date=2022-11-23'. The page has a dark navigation bar with links for 'All Products', 'Add Products', 'Orders', 'Users', and a 'Logout' button. The main content area is titled 'Sporty Shoes Orders' and features a table with the following data:

Orderid	OrderDate	Username	Name	Membership	House Address	City	State	Contact	OrderProductid	Action
1	2022-11-23	Twarit@08	Twarit Soni	Standard	2119, 1st Cross Road, Icon Apartments	Bengaluru	Karnataka	9547867458	114	Delete Order
5	2022-11-23	Shubham04	Shubham Parikh	Standard	5114, 4th Cross Road, City Residence	Gandhinagar	Gujarat	8847567412	114	Delete Order

The Windows taskbar at the bottom shows the time as 6:53 PM on 11/23/2022.

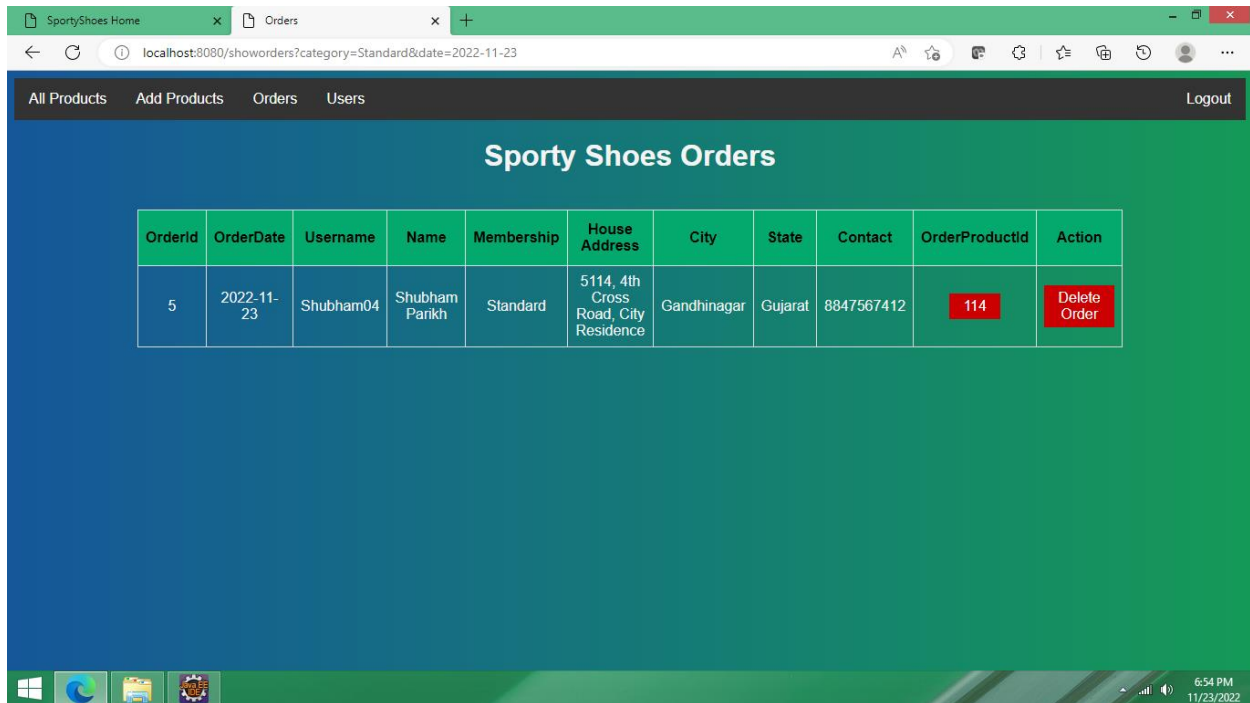
29. On clicking OrderProductId-

The screenshot shows a web browser window with two tabs: 'SportyShoes Home' and 'All Products'. The address bar displays 'localhost:8080/getproductbyid?id=114'. The page has a dark navigation bar with links for 'All Products', 'Add Products', 'Orders', 'Users', and a 'Logout' button. The main content area is titled 'Sporty Shoes Products' and features a table with the following data:

Productid	Name	Brand	Size	Type	Gender	Price	Actions
114	Runners 2.0	SPORTY SHOES	7 UK	Running	Male	Rs. 4000/-	Update Delete

The Windows taskbar at the bottom shows the time as 6:53 PM on 11/23/2022.

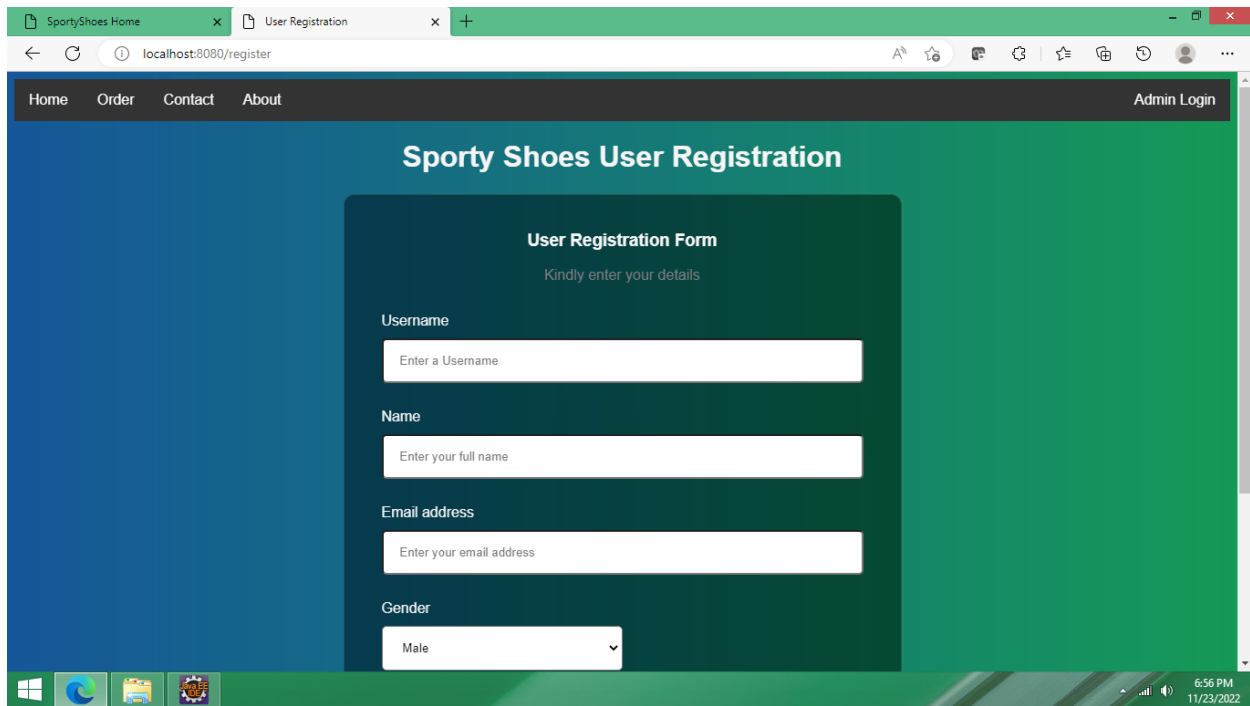
30. On clicking Delete Order-



The screenshot shows a web browser window with the URL `localhost:8080/showorders?category=Standard&date=2022-11-23`. The page has a navigation bar with links for 'All Products', 'Add Products', 'Orders', and 'Users', along with a 'Logout' button. The main heading is 'Sporty Shoes Orders'. Below it is a table with the following data:

Orderid	OrderDate	Username	Name	Membership	House Address	City	State	Contact	OrderProductid	Action
5	2022-11-23	Shubham04	Shubham Parikh	Standard	5114, 4th Cross Road, City Residence	Gandhinagar	Gujarat	8847567412	114	Delete Order

31. On clicking Register from Home Page-



The screenshot shows a web browser window with the URL `localhost:8080/register`. The page has a navigation bar with links for 'Home', 'Order', 'Contact', and 'About', along with an 'Admin Login' button. The main heading is 'Sporty Shoes User Registration'. Below it is a 'User Registration Form' with the instruction 'Kindly enter your details'. The form contains the following fields:

- Username:
- Name:
- Email address:
- Gender:

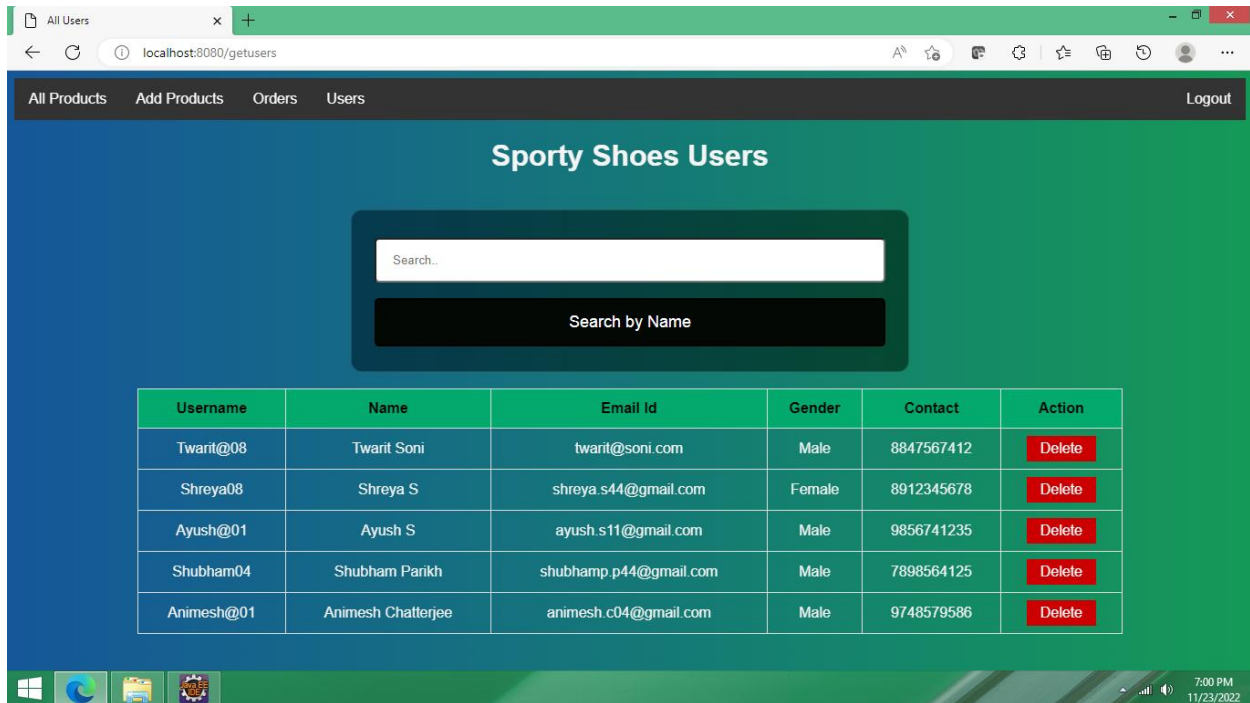
32. By clicking register without giving data-

The screenshot shows a web browser window with two tabs: 'SportyShoes Home' and 'User Registration'. The address bar displays 'localhost:8080/adduser'. The 'User Registration Form' is centered on the page with the subtitle 'Kindly enter your details'. It contains five input fields: 'Username' (placeholder: 'Enter a Username'), 'Name' (placeholder: 'Enter your full name'), 'Email address' (placeholder: 'Enter your email address'), 'Gender' (a dropdown menu with 'Male' selected), and 'Contact' (placeholder: 'Enter your contact number'). Below each of the first three fields is a red error message: 'Username cannot be empty', 'Name cannot be empty', and 'Email cannot be empty' respectively. The 'Register' button is at the bottom of the form. The Windows taskbar at the bottom shows the time as 6:58 PM on 11/23/2022.

33. By filling data and clicking on Register-

The screenshot shows the same web browser window as in the previous image, but now the form fields are filled with data: 'Username' is 'Twarit@08', 'Name' is 'Twarit Soni', 'Email address' is 'twarit@soni.com', 'Gender' is 'Male', and 'Contact' is '8847567412'. The red error messages are gone. A yellow message 'User Registered Successfully' is displayed above the 'Register' button. The Windows taskbar at the bottom shows the time as 6:56 PM on 11/23/2022.

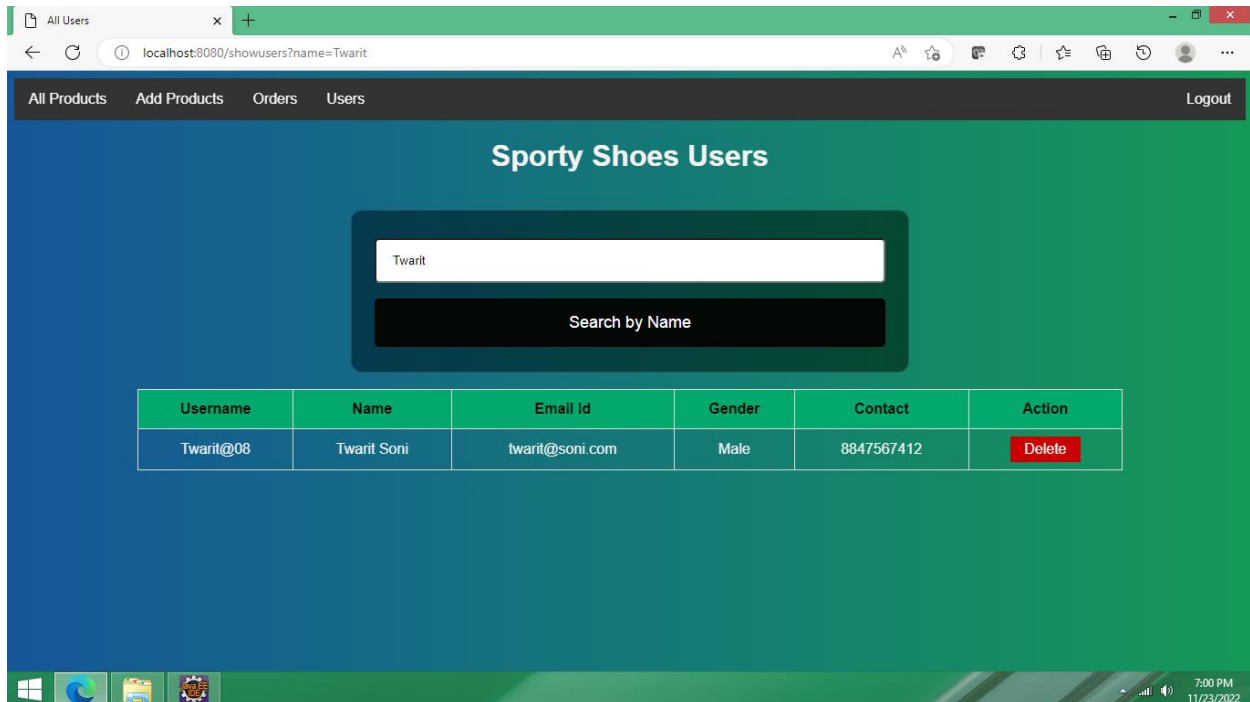
34. On clicking Users from Admin Home Page-



The screenshot shows a web application interface for 'Sporty Shoes Users'. At the top, there is a navigation bar with links: 'All Products', 'Add Products', 'Orders', 'Users', and a 'Logout' button. Below the navigation bar, the page title 'Sporty Shoes Users' is displayed. A search bar with the placeholder text 'Search..' and a 'Search by Name' button is present. Below the search bar, a table lists the users. The table has columns: Username, Name, Email Id, Gender, Contact, and Action. The Action column contains a 'Delete' button for each user.

Username	Name	Email Id	Gender	Contact	Action
Twarit@08	Twarit Soni	twarit@soni.com	Male	8847567412	Delete
Shreya08	Shreya S	shreya.s44@gmail.com	Female	8912345678	Delete
Ayush@01	Ayush S	ayush.s11@gmail.com	Male	9856741235	Delete
Shubham04	Shubham Parikh	shubham.p44@gmail.com	Male	7898564125	Delete
Animesh@01	Animesh Chatterjee	animesh.c04@gmail.com	Male	9748579586	Delete

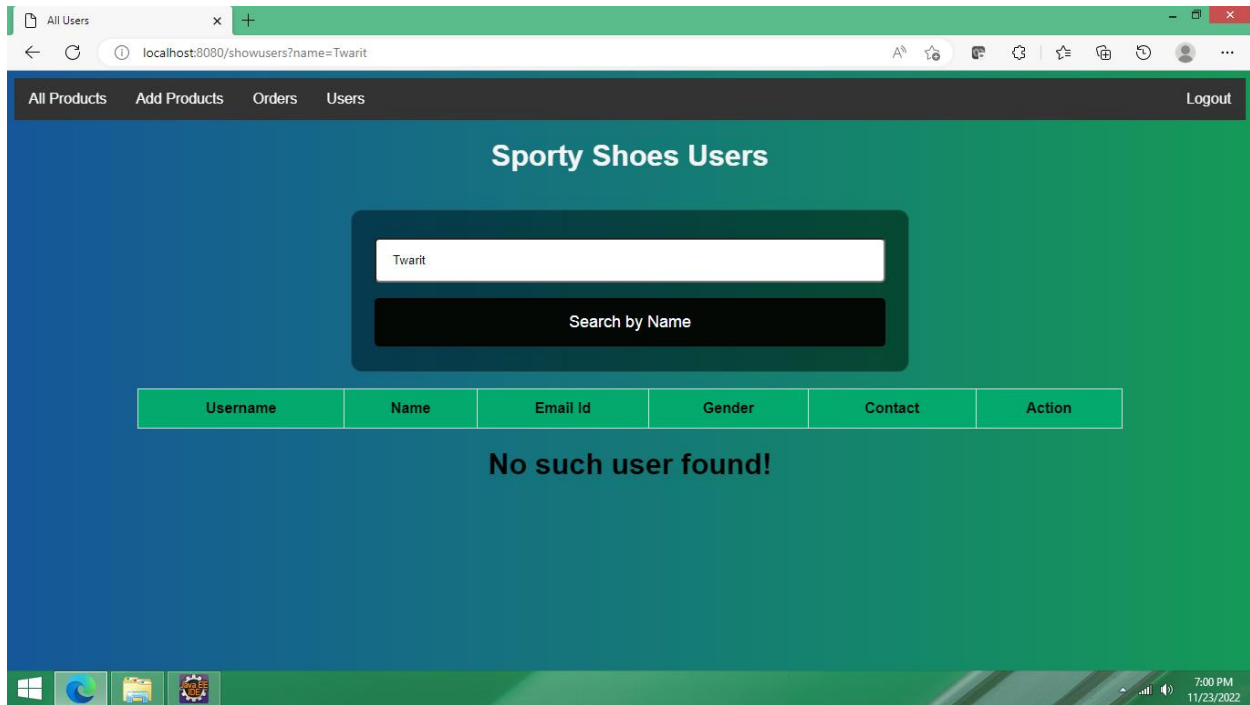
35. By giving input as name and clicking on SearchByName-



The screenshot shows the same 'Sporty Shoes Users' page, but with the search bar containing the text 'Twarit'. The 'Search by Name' button is still present. The table below the search bar now only displays the user 'Twarit Soni'.

Username	Name	Email Id	Gender	Contact	Action
Twarit@08	Twarit Soni	twarit@soni.com	Male	8847567412	Delete

36. On clicking Delete and searching-



37. On clicking Logout-

