

SPECIFICATION

DOCUMENT

Of

SportyShoes

A Spring Boot Web Application

>>> Developer : SAI KRISHNA CHENNAKESAVULA

>>> Developer Email : chsaikrishna6489@gmail.com

>>> Designation : Full stack JAVA developer

JAVA FULL STACK DEVELOPER PHASE 3 PROJECT

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DEVELOPER DETAILS:

>>> Developer : Sai Krishna Chennakesavula
>>> Developer Email : chsaikrishna6489@gmail.com
>>> Designation : Full Stack Java Developer

PROJECT DETAILS:

>>> Project Name : SportyShoes
>>> Project Type : Web Application
>>> Project Concept : Sport shoes Booking System
>>> Language Used: JAVA 8, HTML, CSS
>>> Methodology Used : Agile Scrum
>>> Project Duration : 2 Weeks
>>> Project Started : 13-12-2020
>>> Project Submitted : 27-12-2020
>>> Software used : Eclipse
>>> Technologies used : SPRING BOOT , MYSQL, Hibernate

PRODUCT'S CAPABILITIES:

>>> User can buy a product(shoe).
>>> User can register and login to view previous booking history.
>>> Admin can view the master list of products and can edit and delete them.
>>> Admin can view the master list of category and can add and delete them.
>>> Admin can view the master list of users.

APPEARANCE AND USER INTERACTION

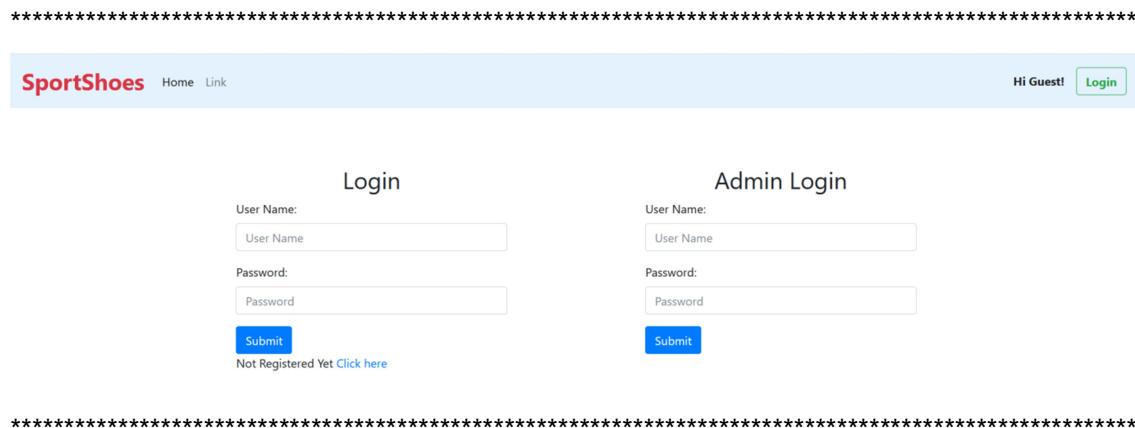
The flow of web application is shown below:

Step 1: Below is the welcome page of the website.

1. In the header, we can see the logo of the website, login/signup and Admin login buttons.
2. Below the header section, we can add items by clicking Add to cart button.



Step 2: When we enter login\signup page, the below page is displayed.



Step 3: ADMIN: When we enter admin page, the below page is displayed.

1. In admin login, admin has the prefixed username 'admin' and password 'admin'.

Login

User Name:

Password:

Not Registered Yet [Click here](#)

Admin Login

User Name:

Password:

Step 4: After admin logged in, it redirects to Admin Dashboard.

1. In Admin Dashboard, admin can view Setup products, setup product categories, browse members, purchase report, change password and logout.

Hi Admin! [Admin Dashboard](#) [Logout](#)

[Setup Products](#) [Setup Product Categories](#) [Browse Members](#) [Purchase Report](#) [Change Password](#)

Welcome, Admin. Choose an option from the menu above.

Step 5: By entering the Setup products, admin can view all available products.

1. The admin can delete, edit product or add new product.

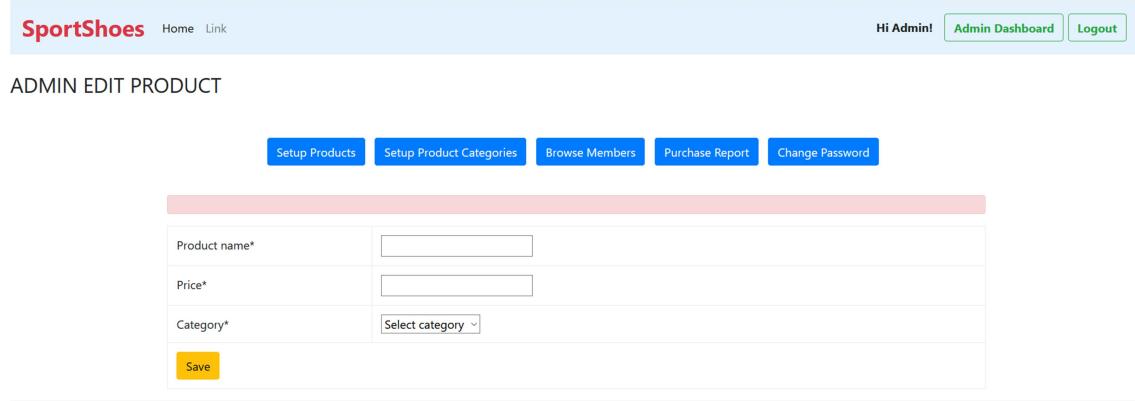
Hi Admin! [Admin Dashboard](#) [Logout](#)

[Setup Products](#) [Setup Product Categories](#) [Browse Members](#) [Purchase Report](#) [Change Password](#)

Total Products: 10 [Add Product](#)

Product	Price	Category	
Nike shoe	800	Running Shoes	Edit Delete
adidas shoe	1200	Cross Trainers	Edit Delete
ASICS shoe	1400	Running Shoes	Edit Delete
Kering dhoe	9500	Cross Trainers	Edit Delete
Skechers shoe	1350	Court Shoes	Edit Delete
Fila shoe	750	Cross Trainers	Edit Delete
Bata shoe	605	Hiking Shoes	Edit Delete

Step 6: The admin can add new product by filling the below details.



SportShoes Home Link

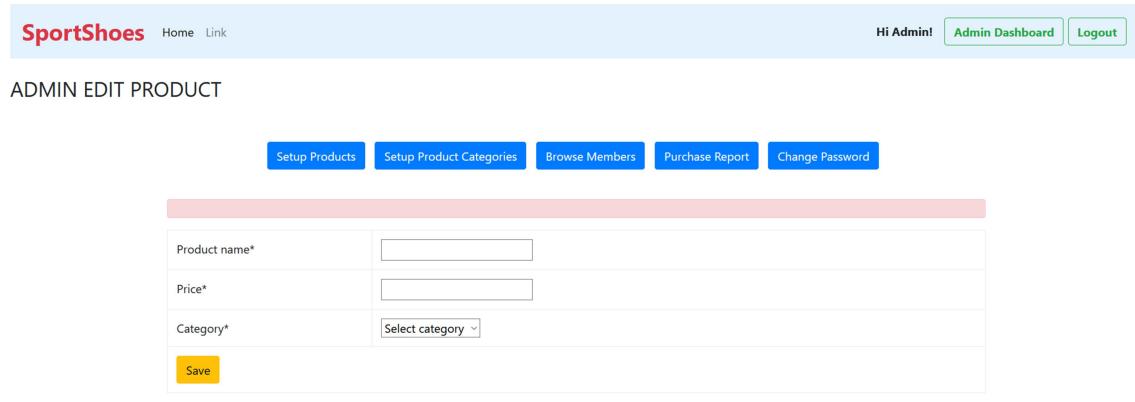
Hi Admin! [Admin Dashboard](#) [Logout](#)

ADMIN EDIT PRODUCT

Setup Products Setup Product Categories Browse Members Purchase Report Change Password

Product name*	<input type="text"/>
Price*	<input type="text"/>
Category*	Select category ▾
<input type="button" value="Save"/>	

Step 7: The admin can edit the Product details in the EDIT page.



SportShoes Home Link

Hi Admin! [Admin Dashboard](#) [Logout](#)

ADMIN EDIT PRODUCT

Setup Products Setup Product Categories Browse Members Purchase Report Change Password

Product name*	<input type="text"/>
Price*	<input type="text"/>
Category*	Select category ▾
<input type="button" value="Save"/>	

Step 8: By entering the setup product categories, admin can view all available categories.

1. The admin can add, edit or delete the categories.
- *****



ADMIN SETUP PRODUCT CATEGORIES

[Setup Products](#) [Setup Product Categories](#) [Browse Members](#) [Purchase Report](#) [Change Password](#)
Total Categories: 4 [Add Category](#)

Category

Running Shoes

[Edit](#) | [Delete](#)

Cross Trainers

[Edit](#) | [Delete](#)

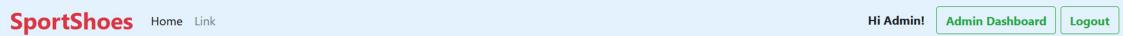
Court Shoes

[Edit](#) | [Delete](#)

Hiking Shoes

[Edit](#) | [Delete](#)

Step 9: The admin can add new categories by filling the below details.



Category name*	<input type="text"/>
Save	

Step 10: The admin can edit the Product category details in the EDIT page.



Category name*	<input type="text"/>
Save	

Step 11: By entering the browse members, admin can view all users details.

The screenshot shows the 'ADMIN BROWSE MEMBERS' section of the admin dashboard. At the top, there are navigation links: 'Setup Products', 'Setup Product Categories', 'Browse Members' (which is highlighted in blue), 'Purchase Report', and 'Change Password'. Below this, a table titled 'Total Members: 1' displays one user record:

Name	Email	Age	Address
sai krishna ch	sai12@gmail.com	24	flat no 205, india

Step 12: The admin can change the password by entering the new password.

The screenshot shows the 'ADMIN CHANGE PASSWORD' section of the admin dashboard. At the top, there are navigation links: 'Setup Products', 'Setup Product Categories', 'Browse Members', 'Purchase Report', and 'Change Password' (which is highlighted in blue). Below this, there are two input fields: 'Enter new password*' and 'Confirm new Password*', both with placeholder text. A yellow 'Login' button is at the bottom.

Step 13: By entering the purchase report, admin can view total orders details.

The screenshot shows the 'Purchase Report' section of the admin dashboard. At the top, there are navigation links: 'Setup Products', 'Setup Product Categories', 'Browse Members', 'Purchase Report' (which is highlighted in blue), and 'Change Password'. Below this, a table titled 'Total 3 Orders: 9200.00' displays three order records:

Order ID	User	Date	Total	Items
1	sai krishna ch	2020-12-27 16:26:00.0	800.00	Nike shoe, 1 units @800.00 = 800.00
2	sai krishna ch	2020-12-27 16:26:08.0	1200.00	adidas shoe, 1 units @1200.00 = 1200.00
3	sai krishna ch	2020-12-27 16:28:07.0	2600.00	adidas shoe, 1 units @1200.00 = 1200.00 ASICS shoe, 1 units @1400.00 = 1400.00

Step 14: USER LOGIN\SIGNUP:

In the user login, first the user needs to register in the website.

Login

User Name:

Password:

Admin Login

User Name:

Password:

Step 15: By clicking the ‘signup’ button, the below signup form will be displayed.

Register

First name: sai krishna

Last name: ch

Email address: sai12@gmail.com

Age: 24

Address: flat no 205, india

Password: 12136489

Confirm Password: 12136489

We'll never share your phone no and email with anyone else.

REGISTER

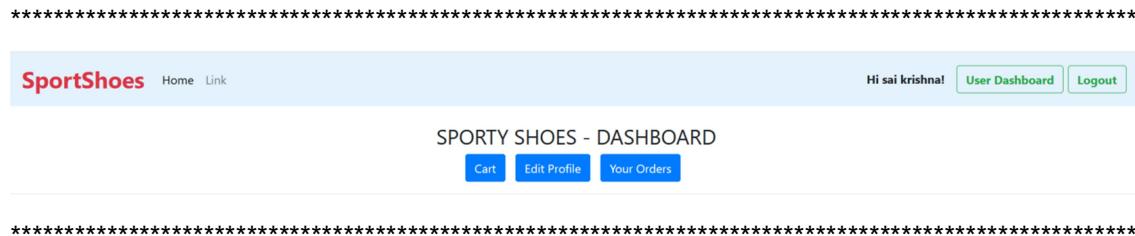
Step 16: After user registers, it redirects to login page and displays ‘user registered successfully’.

Login/Signup | Adminlogin

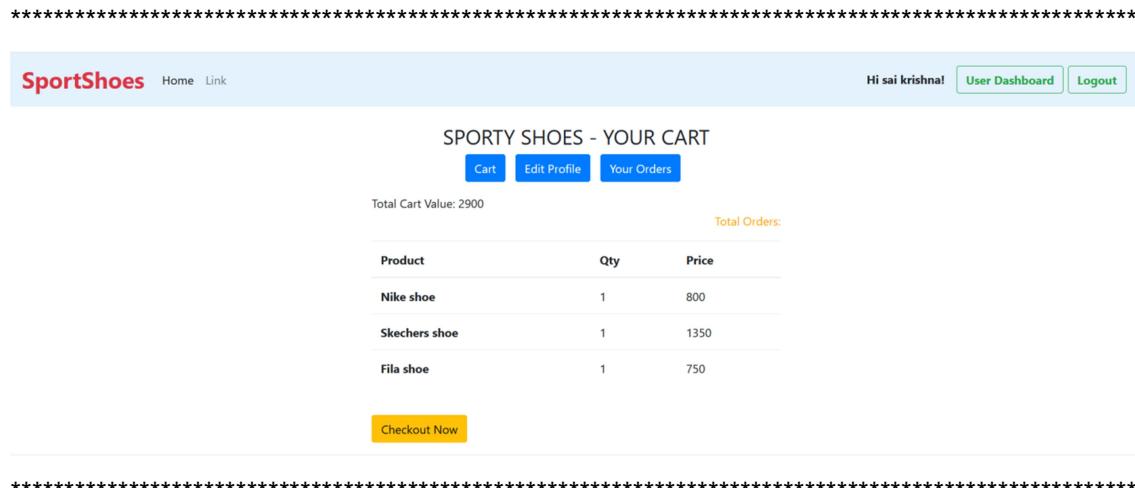
Your registration is confirmed. [Login to continue shopping](#)

Step 17: After user login, it redirects to the User Dashboard.

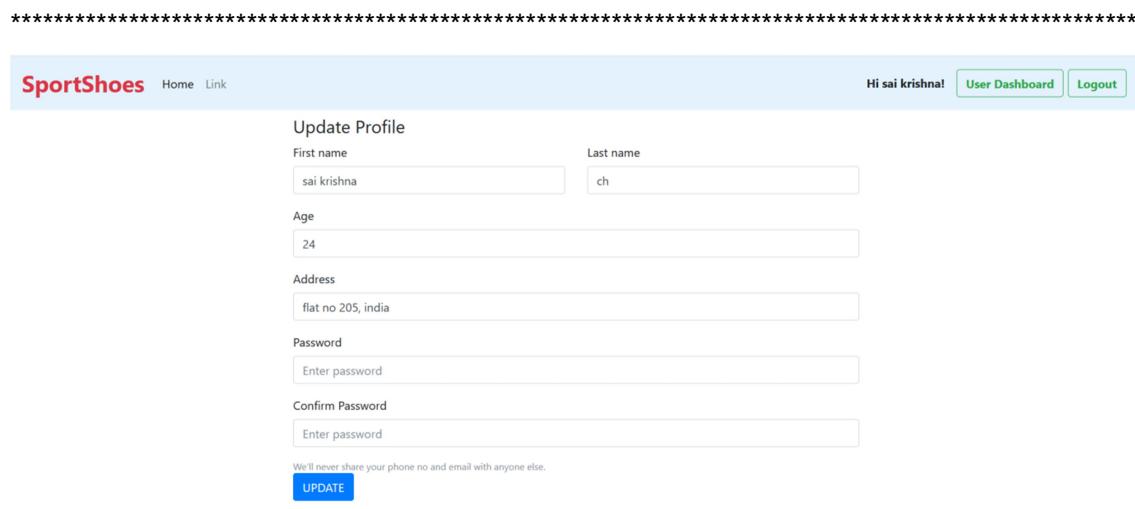
1. In User Dashboard, user can view Cart, Edit profile, your orders.



Step 18: By entering the cart, user can view all cart items.



Step 19: By entering Edit profile, user can edit by filling the below details.



Step 20: By entering your orders, user can view all orders.

SportyShoes Home Link

Hi sai krishna! User Dashboard Logout

SPORTY SHOES - YOUR ORDERS

Total 4 Orders: 7100.00

Order ID	Date	Total	Items
4	2020-12-27 16:29:32.0	2500.00	stireo shoe, 1 units @2500.00 = 2500.00
3	2020-12-27 16:28:07.0	2600.00	adidas shoe, 1 units @1200.00 = 1200.00 ASICS shoe, 1 units @1400.00 = 1400.00
2	2020-12-27 16:26:08.0	1200.00	adidas shoe, 1 units @1200.00 = 1200.00
1	2020-12-27 16:26:00.0	800.00	Nike shoe, 1 units @800.00 = 800.00

Step 21: ADD TO CART:

To add items to the cart, the user need click 'add to cart' button in the homepage.

SportyShoes Home Link

Hi Guest! Login

CATEGORIES

- ALL
- Running Shoes
- Cross Trainers
- Court Shoes
- Hiking Shoes

Nike shoe Rs: 800 Add To Cart	adidas shoe Rs: 1200 Add To Cart	ASICS shoe Rs: 1400 Add To Cart
Kering dhoe Rs: 9500 Add To Cart	Skechers shoe Rs: 1350 Add To Cart	Fila shoe Rs: 750 Add To Cart
Bata shoe Rs: 605 Add To Cart	Popular shoe Rs: 350 Add To Cart	stireo shoe Rs: 2500 Add To Cart

Step 22: By clicking 'Add to cart' button, the page redirects to login page.

1. If user is a not logged in user, the user needs to login.

Step 23: If user is a logged in user, redirects to user dashboard page

Step 25: After checkout, total cart details are displayed.

Step 26: After submitting, payment page will be displayed.

The screenshot shows a payment gateway interface for Sporty Shoes. At the top, there's a header with 'SportShoes' logo, 'Home' and 'Link' buttons, and a user session 'Hi sai krishna!' with 'User Dashboard' and 'Logout' buttons. Below the header, the title 'SPORTY SHOES - PAYMENT GATEWAY' is displayed, along with three buttons: 'Cart', 'Edit Profile', and 'Your Orders'. A message 'Your card will be charged an amount of 2500' is shown in orange. A yellow button labeled 'Click to complete checkout' is present. The background features a light blue gradient.

Step 27: After submitting payment details, payment details page will be displayed and asks to complete checkout.

The screenshot shows a checkout page for Sporty Shoes. The header and navigation bar are identical to the previous payment gateway screenshot. The title 'SPORTY SHOES - CHECKOUT' is centered above three buttons: 'Cart', 'Edit Profile', and 'Your Orders'. A message 'Your Total Order is worth 2500' is displayed in orange. A yellow button labeled 'Pay via secure Payment Gateway' is visible. The background has a light blue gradient.

Step 28: By clicking complete checkout, order placed successfully page will be displayed along with details.

The screenshot shows a purchase confirmation page for Sporty Shoes. The header and navigation bar are consistent with the previous pages. The title 'SPORTY SHOES - PURCHASE CONFIRMATION' is at the top, with three buttons below it: 'Cart', 'Edit Profile', and 'Your Orders'. A message 'Your Order worth 2500 has been completed successfully.' is shown in orange. A yellow button labeled 'Check your Order History' is present. The background has a light blue gradient.

ALGORITHM OF APPLICATION

Step-1: START

Step-2: DISPLAYS welcome page

Step-3: DISPLAYS login

DISPLAYS Products

Step-4:

Step-4.1: IF Admin then, GO TO Step-5

Step-4.3: IF new users then, GO TO Step-14

Step-5: CLICK admin login DISPLAYS admin login form

Step-6: INSERT admin details

Step-7: CLICK admin login

Step-8: DISPLAYS admin Dashboard

Step-8.1: To VIEW Setup Product page, GOTO step-9

Step-8.2: To VIEW Setup Product Categories page, GOTO step-10

Step-8.3: To VIEW Browse members page, GOTO step-11

Step-8.4: To VIEW Purchase Report page, GOTO step-12

Step-8.5: TO change password, GOTO step-13

Step-8.6: To Logout, GOTO step-29

Step-9: DISPLAYS total Products

Step-9.1: To ADD Product, CLICK Add Product

Step-9.2: To EDIT Product, CLICK EDIT

Step-9.3: To DELETE Product, CLICK Delete

Step-9.4: GOTO step-8

Step-10: DISPLAYS total Product Categories

Step-10.1: To ADD Categories, CLICK Add Category

Step-10.2: To EDIT Categories, CLICK EDIT

Step-10.3: To DELETE Categories, CLICK Delete

Step-10.4: GOTO step-8

Step-11: DISPLAYS users details, GOTO Step-8

Step-12: DISPLAYS Purchase Report, GOTO Step-8

Step-13: Step-13.1: ENTER new password

Step-13.2: SUBMIT password

Step-13.3: GOTO step-8

Step-14:

Step-14.1: TO Signup, GO TO Step - 15

Step-14.2: TO add items to cart, GO TO Step - 16

Step-15: CLICK Signup

Step-15.1: DISPLAYS registration form

Step-15.2: FILL the form

Step-15.3: SUBMIT the form

Step-15.4: GOTO Step -14

Step-16: DISPLAYS welcome page

Step-17: CLICK Add to cart

Step-18: DISPLAYS user login form

Step-19: CHECKS if user logged in

Step-19.1: IF user not logged in then, GO TO Step - 20

Step-19.2: IF user logged in then, GO TO Step - 21

Step-20: SUBMIT user details

Step-21: DISPLAYS booking and payment form

Step-22: FILL the details

Step-23: SUBMIT the details

Step-24: DISPLAYS order placed successful page

Step-25:

Step-25.1: TO VIEW Dashboard, GO TO Step - 37

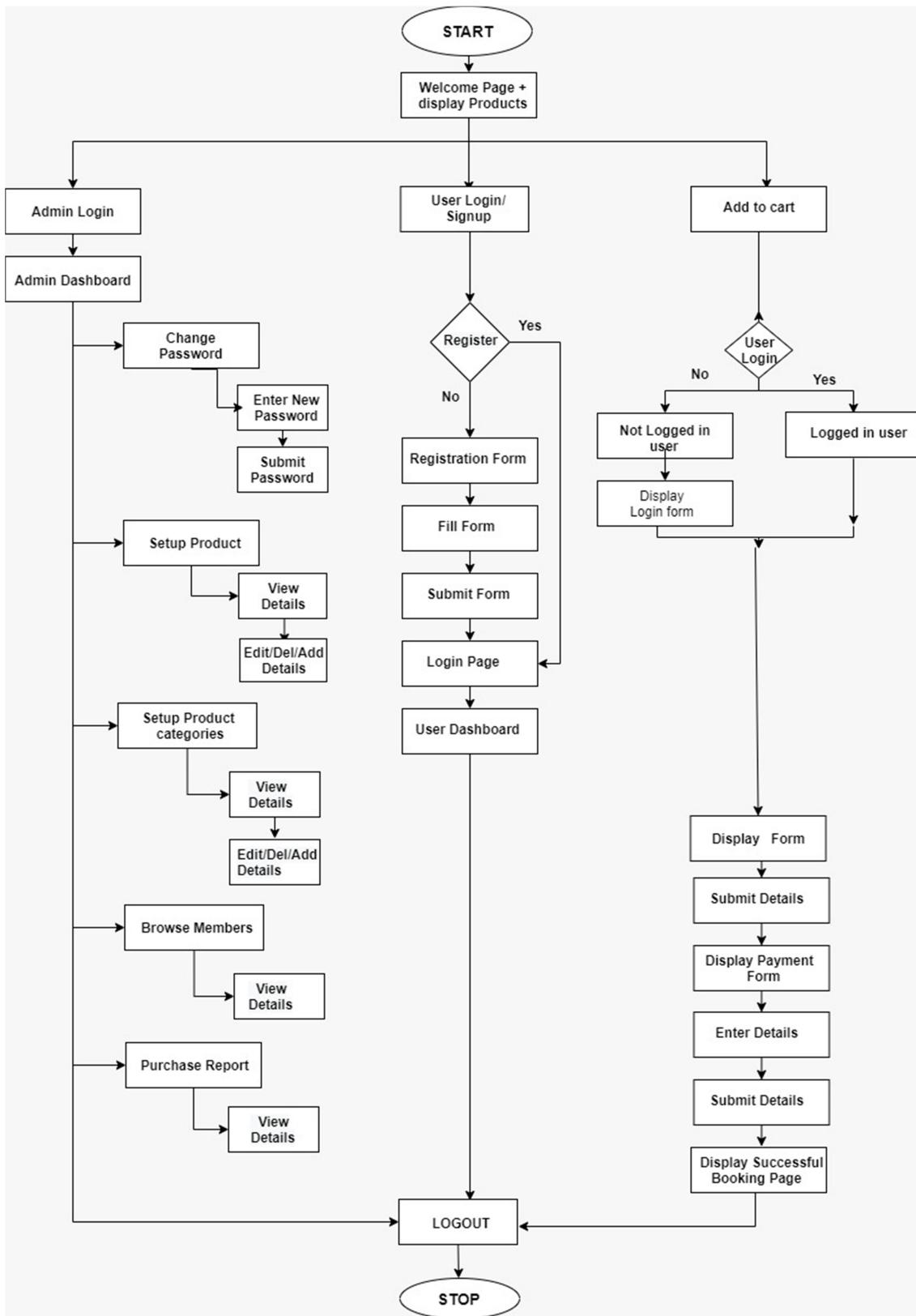
Step-25.2: TO LOGOUT, GO TO Step - 29

Step-27: DISPLAYS user Dashboard page

Step-29: Logout

Step-30: Stop

FLOW CHART



TASKS ACHIEVED: Created JSP pages for

- 1) Welcome page which displays products
- 2) Login page for admin and user
- 3) Dashboard page for admin and user
- 4) Signup form for user registration
- 5) Admin page and user page
- 6) Admin change password
- 7) Booking history of user
- 8) User details form
- 9) Guest user
- 10) Booking and payment page for book and payment
- 11) Success page for successfully
- 12) Logout page

GITHUB LINK:

<https://github.com/saikrishna6489/simplephase3.git>

CONCEPTS USED:

SPRING BOOT

HIBERNATE

INHERITENCE

JSP

JSTL TAGS

ENCAPSULATION

EXCEPTION HANDLING

COLLECTIONS

SORTING

HASHMAP

MODELMAP