**Phase 3**

**Course-end Project 3**

**Project Objective :**

As a Full Stack Developer, complete the features of the application by planning the development and pushing the source code to the GitHub repository.

**Developer Details :**

**Seelam Sindhuja**

**Email: ssindhuja@teksystems.com**

**Emp Id : 10840**

**Project Overview :**

The project is designed to provide user ability to book shoes based on their requirements. This portal can be controlled by using admin login.

**Project Capability :**

The project is capable of booking products by the user based on their choice of product. User can do registration by giving some basic details and after they can confirm their products purchase by doing payment.

**Project Appearance :**

Appearance of the first screen of the project is the welcome screen which has two options one for user login and other for admin login. Users can book products through this product purchasing option. Admin login enables to change password and can see list of full details of products and registered users.

**User Interactions :**

User once select product they are direct to a page to see full detailed information of the product. User can select proceed to payment option and directed to payment page. After payment product information displayed as confirmation page.

**Project Git hub link :**

<https://github.com/SindhujaSeelam/springdemos/tree/main/Phase3project>

**Sprint Planning :**

I have divided project into 3 sprints.

Sprint 1:

In sprint 1 I have configured all the requirements of the project at first and then designed rough outline of the project. I have first started to design SQL tables namely product table with parameters category, brand-name, color, material type and price, user table with name, email, password and finally admin login credentials table.

Sprint 2:

In sprint 2 I have designed the first screen of the project after its execution which consists of welcome note and two options for user login and admin login . Created servlets to accept data from JSP pages and perform SQL operations to insert and update data in database.

Sprint 3:

In sprint 3 I have implemented all front end designing to have easy interaction for the users and also coded all the exceptions that can happen while entering data in the portal and made connection between all the servlets and JSP pages.

Admin username : Sindhuja

Admin password : 1234

Concepts Used:

* Spring boot
* Spring MVC
* Hibernate
* Spring beans
* Dispatcher Servlet
* JSP pages
* Resource pooling
* SQL queries
* Database connection statements
* Collections
* Conditional Statements
* While Loop

**Flowchart of the program**

Chart, box and whisker chart

Description automatically generated

Algorithm of Application:

Step 1: START

Step 2: run main HTML page(home.html)

Step 3: Displays two options

User login

Admin Login

Step 4: Enter email and password

Step 5 : Displays available products

Select one product to buy

Step 6: Redirected to other page

Displays complete information

Step 7: Payment page

Enter bank account details

Step 8: Confirmation Page

Step 9: STOP