

# **Project-3: Developing Online Website Booking Portal**

## **For Sporty Shoes**

This document contains sections for:

- Sprint planning and task completion.
- Core concepts used in the project.
- Flow Chart of the web-application.
- Demonstration of the project.
- Technologies and tools used.
- Conclusion

This program hosted by:

<https://github.com/NAGASRINIVASAREDDY/phase-end-project-sportyshoes.git>

This was developed by: NAGA SRINIVASAREDDY AARIKATLA

### **Sprint planning and task completion:**

The project is planned to be completed in multiple sprints. Tasks assumed to be completed in the sprint are:

- Creating the flow of the application.
- creating git repository to track changes as development progresses.
- Creating Spring boot Project with help of start/spring.io. Then create entities and repositories and controller and service classes with this make connections with database and urls.
- Creating JSP pages for User interactions.
- SQL is to show the database while we connected through hibernates.
- Run the application with Spring boot and also as a Java Program.
- Pushing code to GitHub.

Creating this specification web application, highlighting application capabilities, appearance, and user interactions.

## **Core concepts used in the project:**

- Object-Oriented: used to create and model objects for users and their credentials.
- Spring boot and Spring MVC framework, JSP files, CSS file, JSP tags to perform java operation, dependencies adding, databases, if else statements and proper assembly of all things.
- Databases: used to store and retrieve data.
- Data Sources: used to define a set of properties required to identify and access the database.
- Collections: used some collections such array list to store collection of data.
- Exception Handling: used to catch problems that arises in the code especially in I/O blocks.

## **Flow chart:**

1. Welcome page to the user.
  - i) Registration page link
  - ii) Login page link
  - iii) Admin login page
2. After signing up and logging in we provided an option to access our website.
3. After accessing we have provided product related options like access all products access products by sorting name, colour, category and price with order option.
4. In admin login platform we have provided four main options viz.
  - (a) Change password
  - (b) Access product related options
  - (c) Access user related options
  - (d) Access purchase reports.
5. In every stage I'll had provided sorting options for ease.
6. Option to return to the main menu.

## **Demonstration of the project:**

- Creating project in Eclipse Java EE.
- Write the backend program in eclipse with use of Spring boot and Spring MVC and connect the database to MySQL.
- For the Front end part for user interface use JSP files and CSS files create the required data for user interactions.
- After that push the project to GitHub.

### **Technologies and tools used:**

- Spring boot: It helps developers create applications that just run specifically.
- JSP: to handle the presentation view.
- SQL: to create and manage the database.
- Eclipse: to write and run the code.

### **Conclusion:**

On overall, the project achieved its objectives. The project is to create online web application portal for the sportyshoes was successfully built using Eclipse java EE and MySQL and JSP's and Spring boot and Spring MVC

- MySQL server retrieve and delete the data from the database.
- Spring MVC it helps to create all the information regarding the applications for developers.
- User can check the list of all the operations.