

Sporty Shoes Documentation

Sporty Shoes is a company that manufactures and sells sports shoes, its e-commerce website aims for managing products in portal and selling shoes to customers online. In this document we can see the prototype of all operations for both page Admin and Customer interaction.

This document contains sections for:

- Sprint planning and Task completion
- Core concepts used in project
- Conclusions

The code for this project is available at [SpringDemos/SportyShoes at main · pragathihebbarkm/SpringDemos \(github.com\)](https://github.com/pragathihebbarkm/SpringDemos) this project is developed by Pragathi Hebbbar.

Sprints planning and Task completion

The project is planned to be completed in a single sprint. Tasks that are assumed to be completed in this sprint are :

- Creating the flow of the application
- Initializing git repository to track changes as development progresses.
- Writing the program to fulfil the requirements of the project.
- Pushing code to GitHub.
- Creating this specification document highlighting application capabilities, appearance, and user interactions.

PRODUCT CAPABILITIES:

Admin Operations:

- Admin Sign Up/Sign In: which is authorised according to data in the database.

- Change Password: Admin needs to enter the old password to authorise.

- Manage Products: Add, Delete, Update Products.

- Manage Customers: View List of Customers.

- Manage Purchases: View Sales Report.

Customer Operations:

- Sign Up

- Login

- Select Product Category

- Choose quantity

- Place Order and Buy Products

TECHNOLOGIES USED:

- Eclipse IDE

- JSP's

- MySQL

- Java Concepts

- Spring Boot DevTools

- Spring Web

- Spring Data JPA

Spring Concepts Used in Projects:

@SpringBootApplication: To initialize spring boot.

@Controller: for using class as controller class

@Service: To indicate class as Service

@Repository: To indicate class/interface as Repository to contact with Database.

@Entity: To indicate class as table in Database.

@Autowired: to auto connect between Spring Beans, Services, Repositories.

@PostMapping: to indicate url links with Servlet post method

@GetMapping: to indicate url links with Get method in servlet.

@RequestParam and @RequestBody: Get values from webpage.

FEATURES OF PROJECT:

- Customers should login or Sign up to start shopping.
- Customers can select product category and look for the available products and their details like Product name, price or category.
- Admin Login is verified by data from Database.
- Admin can view List of all Customers.
- Admin can add a new Product or update and delete the existing products.
- Admin can also view the Sales Report.
- Admin can change his password.

Pushing the code to GitHub repository

- Open your command prompt and navigate to the folder where you have created your files.

cd <folder path>

- Initialize repository using the following command:

git init

- Add all the files to your git repository using the following command:

git add .

- Commit the changes using the following command:

git commit -m <commit message>

- Push the files to the folder you initially created using the following command:

git push -u origin master

CONCLUSION:

This is a prototype application to manage an e-commerce website of SportyShoes, For further improvements we can :

- add sort and search product operations.
- Improve the User Interface and make it more attractive.