

Sporty Shoes E-Commerce Portal

Developer: Mohit Gangwar

Language: Java

IDE: Eclipse

Repository Link: <https://github.com/MohitG070/JavaTrainingProject3.1-SportyShoes.git>

Project Overview

To design and implement a prototype e-commerce platform for “Sporty Shoes” that supports admin-controlled product management and customer interaction, including order processing and purchase reports.

Technologies Used

- Backend – Java (Spring Boot)
- Frontend – HTML + Thymeleaf
- Database – MySQL
- Other Tools – Maven, Spring Data JPA, Git

System Architecture

- com.main – Entry point of the application
- com.bean – Entity classes (Admin, Customer, Product, Orders)
- com.repository – JPA Repositories (DAO layer)
- com.service – Business logic
- com.controller – Web controllers handling routes and views

JAVA Concepts Used

- @Controller, @Service, @Repository annotations
- Dependency injection using @Autowired
- Model-View-Controller (MVC) pattern
- Spring Boot Application Lifecycle
- Form data binding with Thymeleaf
- REST-style URL mappings

Features

Admin:

- Login/Logout
- Change password
- Add/Update/Delete/View products
- View customers
- View orders by category/date

Customer:

- Signup/Login/Logout
- View all products
- Place order

Conclusion

The Sporty Shoes platform demonstrates core e-commerce functionality and backend admin control. The prototype serves as a base for production deployment after UI polish, and security features integrations.