E-Commerce-Website-For-Sporty-Shoes-Phase3

The code for this project is pushed at : **https://github.com/Desicoders/Sporty-Shoes-Ecommerce-website**

Implement Frameworks the DevOps way By Simplilearn E-Commerce-Website-Sporty Shoes

1. Sporty Shoes:

This document contains sections for:

• Project Description

• Core concepts used in project

• Project Users Stories : ( Agile and Scrum )

• Git Repositories

• How to run project

The project is developed by Bhuwan Agrawal

1.1 Project Description:

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.

Background of the problem statement: Sporty Shoes is a company that manufactures and sells sports shoes. They have a walk-in store, and now, they wish to launch their e-commerce portal sportyshoes.com.

You’re asked to develop a prototype of the application. It will be then presented to the relevant stakeholders for budget approval. Your manager has set up a meeting where you’re asked to do the following:

● Presenting the specification document which has the product’s capabilities, appearance, and user interactions

● Setting up Git and GitHub account to store and track your enhancements of the prototype

● Explaining the Java concepts used in the project

● Discussing the generic features of the product:

● There will be an admin to manage the website. An administrator login will be required to access the admin page.

The admin should be able to change his password if he wants, he should be able to:

● Manage the products in the store including categorizing them

● Browse the list of users who have signed up and be able to search users

● See purchase reports filtered by date and category

1.2 Core concepts used in the project:

-> Used Java Language in Eclipse IDE.

-> Spring framework

-> Flow Control

-> Exception Handling

-> Streams API TECHNOLOGIES AND TOOLS USED:

Spring Boot : to build web applications as it follows the Model-View-Controller design pattern.

• Spring JPA: to simplify the development and the interaction with the database.

• Maven: to manage the project.

• Eclipse: to write and run the code.

• h2 console : to administrate and manage the database manually.

• Embeded Tomcat: to run and deploy Backend Api.

2.1 Project Users Stories : ( Agile and Scrum )

The project is planned to be completed in 2 sprints. Tasks assumed to be completed in the sprint are:

• Creating the flow of the application

• Initializing git repository to track changes as development progresses.

• Writing the Java program to fulfil the requirements of the project.

• Manually Testing the Spring Boot program with different kinds of User input

• Pushing code to GitHub.

1. As an admin I can Set up a product list of all the shoes.
2. As an admin I can Delete any shoe product.
3. As an admin I can Manage users.
4. As an admin I can change new password.
5. As a User, I can add product to the list. The goal of the company is to deliver a high-end quality product as early as possible.

Sprint 1

1. Create database and tables.
2. Add all dependencies to the Maven project. Connect the database to the project.
3. Create the models’ classes.

Sprint 2

4) Made the controllers and services