**Sporty Shoes:**

**Project 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.

As a Full Stack Developer, complete the features of the application by planning the development

**Project Capabilities:**

When you login as Admin:

* Admin Login: 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, Delete and Search Customers.
* Manage Purchases/Orders: View, Delete and Search Orders.

**When you login as customer:**

* Register
* Login
* Search Products
* Choose quantity and size
* Add Cart
* View Cart
* Pay and Buy Products
* View previous active orders.

**Technologies Used:**

* Eclipse IDE
* HTML
* MySQL
* Java Concepts
  + Spring Boot DevTools
  + Spring Web
  + Spring Data JPA
  + ThymeLeaf

**Spring Concepts:**

@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.

javax.servlet.http.*HttpSession*: To manage Sessions with Http protocol.

org.springframework.ui.*Model*: to send data to view

java.sql.SQL*Exception:* To manage Database exceptions

Java.util.*regex*: to check string patterns like email.

JpaRepository: to get methods for CRUD operations.

jpa.repository.Query (@Query): To write native queries for custom methods for CRUD operations.

ThymeLeaf Template tags in HTML.

**User Instructions:**

Basic Instructions before running project

After downloading project from git and once you finish the importing of project into your respective IDE. Create database with name <strong>'ss'</strong> in MySql.

In application.properties file in project edit code of server parameters(username and password).

Once run project com.simplilearn.phase3.SpringJdbc12092021Application as java application, by this tables will be created in Database.

Now add username and password data in Admin table in the database. You can use command <strong>INSERT INTO Admin values ("admin","password"); in MySQL workbench.</strong>