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| 1. **Project Description** |

* Developer Name: **Deepak Sharma.**
* Project Name: **E-commerce Website for Sporty Shoes.**

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| 1. **Utilities used to implement project** |

* Eclipse
* File Handling
* Spring framework
* Flow Control
* Recursion
* Exception Handling
* Streams API TECHNOLOGIES AND TOOLS USED
* Spring MVC
* JSP
* Hibernate
* CSS
* Maven
* Tomcat
* SQL

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| 1. **The flow and features of the application** |

* **SPRINT:** 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.
* Testing the Java program with different kinds of User input
* Pushing code to GitHub.
* **Sprint-1:**
* Create database and tables.
* Add all dependencies to the Maven project.
* Connect the database to the project.
* Create the models’ classes.
* Create the data access object classes using Hibernate.
* **Sprint-2**
* Create login and register pages.
* Show all products to the home page.
* Add products to the cart.
* Show user’s cart. Create user’s update page.
* Enable the admin to add a new product.
* Enable the ability to search for a specific product.

1. **Flow Chart**

Data access object (Hibernate)

Controller

Database

Web Browser

JSP Pages (View)

All product in cart

Login

Show user’s cart

Register

Update account

User Home-Page

Search the product

Valid Data?

**Yes**

Admin

Home-Page

Add a new product

Manage Products

Manage Users

Manage Orders

**GitHub URL: git@github.com:DeepakSharma1997/Phase-2-Java-Project.git**