**Project Phase-3: An E-Commerce Website for Sporty Shoes**

**Project Introduction**

Project Name: Sporty Shoes (Version-1)

Developer Name: Sanal Mishra

GitHub Link: <https://github.com/16-sanalmishra/Spring-Project/tree/main/sportyshoes>

**Planning Of Sprints**

The aim of the project “Sporty Shoes” was achieved in two sprints. In the first sprint requirements of the application was understood and then a rough plan was made in order to complete the target. Since we got thorough insights of what the project is demanding we started on creating the (version 1) of the project. The main concern was to deliver an optimized solution to the client.

In the second sprint the product development was completed, and we started testing it against different testcases. Once the testing got done, we were finally ready to deliver our solution to the client.

**Algorithm For the Application**

1.Sporty Shoes is particularly designed with the **admin point of view**.

2. The first page is the landing page of the Sporty Shoes that has greeting. This page has a button that will take the user to the login page.

3. In the login page there are various fields that needs to be filled in. The user logging in for the first time will have to provide id, name, email and password. All these data will be stored in the database.

4. After the admin logged in it will be able to see the list of all users that logged on the website till date.

5.There was a button on the previous page that will list all the products available on the website.

6. There is a **‘Book’** option with each of the product by clicking on which the user can book the shoe of his/her desire.

7. As soon as the **‘Book’** button is clicked the page is redirected to the payment gateway where the user can pay for the shoe.

8. Once the payment is done a confirmation page comes up confirming the order.

9. There is a button on the last page which on clicking will redirect the user to the home page of the website.

**Flowchart**

Diagram, schematic

Description automatically generated

Fig:1 Flowchart for the Sporty Shoe

**Core Concepts Used in the project**

Sporty Shoes is a prototype application that is designed for the admin. The admin can access anything be it database or products etc. The main concept used in the project is Spring framework, hibernate and Java Server Pages. The Spring framework has lowered down a lot of work due to its dependencies. The hibernate framework had made easier for the developer to handle the database with its features. In order to deploy the project on the server we need something where the execution will show up so for that we have used Java Server Pages. It has helped a lot as it provides the feature of both Java and HTML.

**Conclusion And Future Work**

As this project ‘Sporty Shoes’ is a prototype version it lacks a lot of functionality. So, in order to achieve that we can work on version-2 of this project wherein we can bring more detailed and user-friendly functionality. UI can be more interactive and actual payment gateway can also be included