**Website Specification Document**

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**Project domain name:** [www.SportyShoes.com](http://www.SportyShoes.com)

1. **Overview:**

Our new site will perform following functionality for our business:

“The aim is to allow users to buy sports shoes on our website. Our site provides vast categories of sport shoes and allow customers to make online orders.”

1. **Background:**

We are the company that manufactures and sells sports shoes.

1. **Number of Sprints planned:** 1
2. **Appearance & look:**

Corporate colors and logo.

1. **List of Pages:**
2. **Search form & Home Page:** The home page will allow the users to search shoes based on the categories.
3. **Admin Sign In:** It allows our members & staff to log in to our site.
4. **Member Log In:** It allows users to login and browse through our products.
5. **Admin Preferences:** Allows admin to change the admin password., manage the products including categorizing them, browse the list of users who have signed up and see the purchase/order reports filtered by date & category.
6. **About Us:** Details of our company and the administration.
7. **Contact Us:** Has the full contact details – including sales email address, phone number.
8. **Search Results Page:** This shows all the matched shoes with thumbnails, product description and price.
9. **Shoes Details Page:** This shows the complete details for the shoe selected on the results page.
10. **Personal Details Page:** Once a person selects a shoe pair to book, they will be taken to a register page where they must fill in their personal details.
11. **Payment Page:** Once user register the details, they are shown the details of the shoes they are booking, and the payment is done via a dummy payment gateway
12. **Confirmation Page:** On completion of the payment, they are shown a confirmation page with the booking reference number and email confirmation.
13. **Environments used:** Eclipse, PhpMyAdmin, Maven, Spring Boot Suite 4, Postman, Apache Tomcat, Jira for Agile management, Git, GitHub, Draw.io for application flowchart
14. **Languages used:** Java 8, MySQL, H2(In memory) database, JPA, JavaScript, AngularJS, HTML5, etc.
15. **Java Concepts used:** Spring Boot, H2, Swagger, RESTful services, Lombak, JPA, JSP, Hibernate, HQL, log4j for debugging, Maven, Exception handling, Collections, OOPS concepts like Abstraction-Encapsulation-Inheritance-Polymorphism, Binary search, Collections sorting, etc.
16. **Stakeholders:**

Site is open for the public as well as members. We have an admin page where our staff can login and change the preferences like ability to change admin password, manage the products, etc. To make the online purchases, the user mush be signed in.

1. **Administration:**

We will be collecting the master list of products, members and purchase reports. And then our development team will develop the website and hook the backend data to the site

1. **Hosting:**

The website will be deployed on Apache Tomcat and apply all the security certifications like SSL. It will be a secured URL (https://) to browse.

1. **Statistics:**

We will be implementing ‘Google Analytics’ to get the statistics of the website like number of users browsing, from which country, which browser, number of search clicks, number checkout clicks, etc.