**SPORTY SHOES ECOMMERCE APPLICATION**

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**Project:** To launch an e-commerce application portal for the SportyShoes Company

**Project Specification:**

The website portal has a homepage, which has the following options:

* To shop by clicking on shop icon
* To Login by clicking on login icon
* To Add items to cart
* To purchase product

It has an Admin login who can perform the following operations

* Manage the products
* Categorize the products
* Browse the list of users who has signed up
* Search the users

The User can perform the following operations

* Inorder to purchase a product, the user must login
* The user can register into the website portal or
* The user can login through the Google
* After logging in he can add items to the cart and
* Proceed for the payment
* Get the reciept

**Java Concepts Used:**

* Spring Tool Suite-4
* Spring Boot Project
* H2 DataBase
* Spring Security
* Google Oauth2
* HTMLpages
* Hibernate Concepts(Many to Many Relation)
* Spring MVC concepts

**FlowChart for Sporty Shoes**

1. Home page to the user.
   * 1. Registration page icon/login page icon
     2. Shop page icon
     3. Cart page icon
2. User can browse the products on the homepage .
3. To purchase them, user needs to login
4. After signing up and logging in we provided an option to access our website.
5. After accessing we have provided product related options like access all products access products by category.
6. After choosing the product he can add to cart and proceed for payment
7. A dummy payment is done after entering the billing page
8. User can get the receipt of the product details.
9. In admin login platform we have provided four main options viz.
   * + - 1. Access Footwear booking related options,like adding and removing new footwear
         2. Access the footwear categories by adding and deleting them
         3. Access user related options
         4. Access booking reports.
10. In every stage I’ll had provided sorting options for ease.

Here the User and Role has many to many relationship and we have given the first user the role of both Admin and User. Inorder to access the admin page we should use that login.

**SQL QUERY :**

The following query has been inserted manually into UserTable & User\_Role Table created as a result of many to many mapping in H2-console.

INSERT INTO users(id,email,password,first\_Name,last\_Name)VALUES

(1,'admin@gmail.com','$2a$10$moTjfAVBJzNS32q7NPPVh.iAGDbZSkjZJBkdxT5ZLKQ3R1Vh/y9Fi','Admin','g');

insert into user\_role(user\_id,role\_id) values

(1,1),(1,2);