# Design Document for SpringJPA RestAPI(Shoes website(Ecommerce))

Developer: Pooja Singh

# Problem Statement

To develop a prototype of the application. 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.

# RESTAPI Requirement:

There will be an admin to manage the website. An administrator login will be required to access the admin page

**The admin should be able to change his password if he wants, he should be able to:**

● Manage the products in the store including categorizing them  
● Browse the list of users who have signed up and be able to search users  
● See purchase reports filtered by date and category

# Sprints planned

## Sprint 1: Documentation Phase

Duration: 1 Week

Target: To prepare the design document and capture all the requirements.

## Sprint 2: Coding Phase

Duration: 1 Week

Target: Write the restapi code covering all the requirements.

## Sprint 3: Testing Phase

Duration: 1 Week

Target: Testing and bug fixing.

# Programming Language Used:

Frameworks : SpringBoot

Testing Tool : POSTMAN

Server:

Tomcat Apache v8.5

# Java Concepts Used

* SpringMVC
* SpringBoot
* JUNIT

## Java Packages

SpringFramework

## Exception handling

JUNIT

# GitHub:

The project is uploaded to my GitHub account.

<https://github.com/pooja-dev-fsd/virtualkeyrepository>