**# Sporty Shoes - SimpliLearn Phase 3 Assessment**

**## Technologies Used**

| Java | 1.8 |

| ------ | ------- |

| Spring Boot | 2.2.10 |

| Lombok  | --- |

| Swagger-ui | 2.7.0 |

| H2 | --- |

| JPA | --- |

| Spring Security Starter | --- |

**## File Structure**

```

src

├── main

│   ├── java

│   │   └── com

│   │       └── api

│   │           └── sportyShoes

│   │               ├── SportyShoes.java

│   │               ├── config

│   │               │   ├── SpringSecurityConfig.java

│   │               │   └── SwaggerConfig.java

│   │               ├── controller

│   │               │   ├── CRUDController.java

│   │               │   └── SearchController.java

│   │               ├── exceptionHandler

│   │               │   └── BusinessException.java

│   │               ├── model

│   │               │   ├── PurchaseReport.java

│   │               │   └── Shoe.java

│   │               ├── repository

│   │               │   ├── PurchaseReportRepository.java

│   │               │   └── ShoesRepository.java

│   │               └── service

│   │                   ├── SportyShoesService.java

│   │                   └── impl

│   │                       └── SportyShoesServiceImpl.java

│   └── resources

│       └── application.properties

└── test

    ├── java

    └── resources

16 directories, 13 files

```

**## Project Structure**

This project uses Spring Boot for Model and Controller Implementation

Availaible apis are -

  - /shoe (CRUD)

  - /purchaseReport (CRUD)

  - /shoe/all

  - /purchaseReport/(category|all|dop)

Current Implementation relies simply on String for storing order list.

It can be extended to utilize many-to-many relationship b/w Shoe and PurchaseReport Entities.

Also for admin authentication spring-security-starter has been used with credentials saved in `application.properties` file.