

Developing an Ecommerce Website for Sporty Shoes

Developer: Kamar Zaghoul

1. Info

- FSD 2021 (Vodafone)
- **Developer:** Kamar Zaghoul
- **GitHub Repo:**
https://github.com/kamarz01/Simplilearn_Phase3_Ecommerce_Sporty_Shoes

2. Introduction

Project objective:

As a Full Stack Developer, complete the features of the application by planning the development and pushing the source code to the GitHub repository.

Background of the problem statement:

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.

You're asked to develop a prototype of the application. It will be then presented to the relevant stakeholders for budget approval. Your manager has set up a meeting where you're asked to do the following:

- Presenting the specification document which has the product's capabilities, appearance, and user interactions
- Setting up Git and GitHub account to store and track your enhancements of the prototype
- Explaining the Java concepts used in the project
- Discussing the generic features of the product:
- 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

3. Project Planning

- The project is to be completed in two sprints.
- The resources available for this project is (2):
1 Developer & 1 Tester.

Sprint (1) will include:

- Create application design.
- Create project skeleton.
- Setup project configurations.
- Create database schema.
- Design project UI screens.
- Implement Admin features.

Sprint (2) will include:

- Implement Customer features
- Create purchase report.
- Creating documentations.
- Pushing project to GitHub.

4. Technologies & Concepts used in Project

- Java EE
- Hibernate
- Spring MVC
- Spring Boot
- Spring Data JPA
- AOP
- H2 (in-memory database)
- HTML5
- CSS3
- OOP
- Collections
- Streams
- Data Structures
and more...

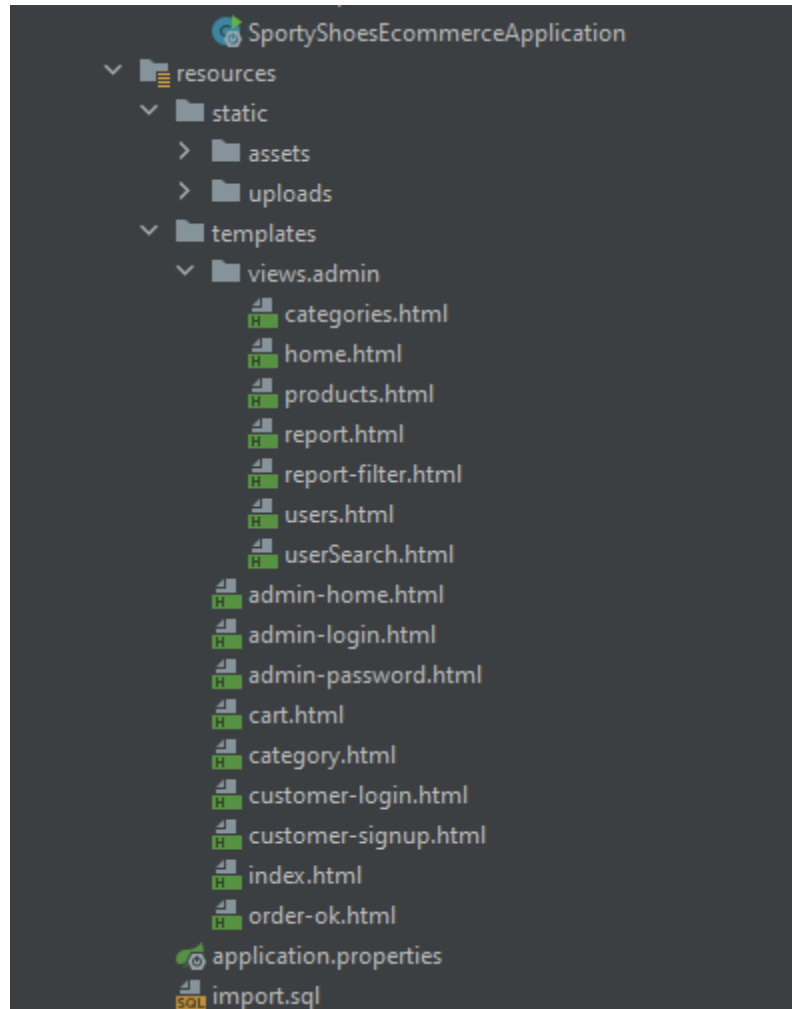
5. Default Data & Admin

(username = **admin**, Passowrd = **admin**)

Auto inserted into db with other dummy data

6. Project Structure

The project was been created following a good design structure to separate the logic from the user interface.



- ▼ com.sportyshoes.ecommerce
 - ▼ aop
 - AdminSessionValidator
 - ▼ config
 - WebConfig
 - ▼ controller
 - AdminController
 - CartController
 - CatController
 - HomeController
 - OrderController
 - ReportController
 - UserController
 - ▼ dto
 - Order
 - Product
 - Report
 - User
 - ▼ entity
 - Categories
 - Orders
 - Products
 - Users
 - ▼ repository
 - CategoriesRepository
 - OrderRepository
 - ProductsRepository
 - UserRepository
 - ▼ service
 - CategoriesService
 - OrderService
 - ProductsService
 - UserService
 - ▼ utils
 - Constant
 - FileUploadUtil
 - SporthyShoesEcommerceApplication
- ▼ resources
 - ▼ static
 - > assets
 - > uploads
 - ▼ templates
 - ▼ views.admin
 - categories.html
 - home.html
 - product.html

```
import.sql
1  INSERT INTO USERS (id,name,username,password,userType) VALUES(1,'Kamar','admin','admin','admin');
2  INSERT INTO USERS (id,name,username,password,userType) VALUES(100,'Test User1','user1','123456','customer');
3  INSERT INTO USERS (id,name,username,password,userType) VALUES(200,'Test User2','user2','123456','customer');
4  INSERT INTO USERS (id,name,username,password,userType) VALUES(300,'Test User3','user3','123456','customer');
5  INSERT INTO USERS (id,name,username,password,userType) VALUES(400,'Test User4','user4','123456','customer');
6  INSERT INTO USERS (id,name,username,password,userType) VALUES(500,'Test User5','user5','123456','customer');
7
8  INSERT INTO CATEGORIES (id,name) VALUES(1000,'Running');
9  INSERT INTO CATEGORIES (id,name) VALUES(2000,'Trail');
10 INSERT INTO CATEGORIES (id,name) VALUES(3000,'Field');
11 INSERT INTO CATEGORIES (id,name) VALUES(4000,'Hiking');
12 INSERT INTO CATEGORIES (id,name) VALUES(5000,'Gym');
13 INSERT INTO CATEGORIES (id,name) VALUES(6000,'Court');
14 INSERT INTO CATEGORIES (id,name) VALUES(7000,'Sandals');
15
16 INSERT INTO PRODUCTS (id,name,desc,price,imagePath,CATEGORIES_ID) VALUES(5000,'Wildhorse 7 Trail Running Shoes','Desc1',150,'1.jpg',1000);
17 INSERT INTO PRODUCTS (id,name,desc,price,imagePath,CATEGORIES_ID) VALUES(6000,'Air Zoom Terra Kiger 8 Trail Running Shoes','Desc2',190,'2.jpg',1000);
18 INSERT INTO PRODUCTS (id,name,desc,price,imagePath,CATEGORIES_ID) VALUES(7000,'Lone Peak 6 Trail Running Shoes','Desc2',544,'3.jpg',2000);
19
20 INSERT INTO PRODUCTS (id,name,desc,price,imagePath,CATEGORIES_ID) VALUES(8000,'Wildhorse 7 Trail Running Shoes','Desc4',520,'1.jpg',4000);
21 INSERT INTO PRODUCTS (id,name,desc,price,imagePath,CATEGORIES_ID) VALUES(8001,'Air Zoom Terra Kiger 8 Trail Running Shoes','Desc5',2000,'2.jpg',4000);
22 INSERT INTO PRODUCTS (id,name,desc,price,imagePath,CATEGORIES_ID) VALUES(8002,'Lone Peak 6 Trail Running Shoes','Desc6',147,'3.jpg',7000);
23
24 INSERT INTO PRODUCTS (id,name,desc,price,imagePath,CATEGORIES_ID) VALUES(8005,'Wildhorse 7 Trail Running Shoes','Desc7',520,'1.jpg',3000);
25 INSERT INTO PRODUCTS (id,name,desc,price,imagePath,CATEGORIES_ID) VALUES(8006,'Air Zoom Terra Kiger 8 Trail Running Shoes','Desc8',2000,'2.jpg',5000);
26 INSERT INTO PRODUCTS (id,name,desc,price,imagePath,CATEGORIES_ID) VALUES(8007,'Lone Peak 6 Trail Running Shoes','Desc1',147,'3.jpg',2000);
27
```

```
INSERT INTO USERS (id,name,username,password,userType) VALUES(1,'Kamar','admin','admin','admin');
```

7. Application Demo

[Home](#) [Cart & Checkout](#) [Categories ▾](#)

LoginAdminSign-up

About Sporty Shoes

As one of the leading local Entrepreneur business in the world, we attribute our reputation to the lasting customer relationships we've developed throughout the years. We believe that all of our customers deserve the highest level Quality, stayle, fasionable, looks, and we are committed to providing best sneakers and fashions.

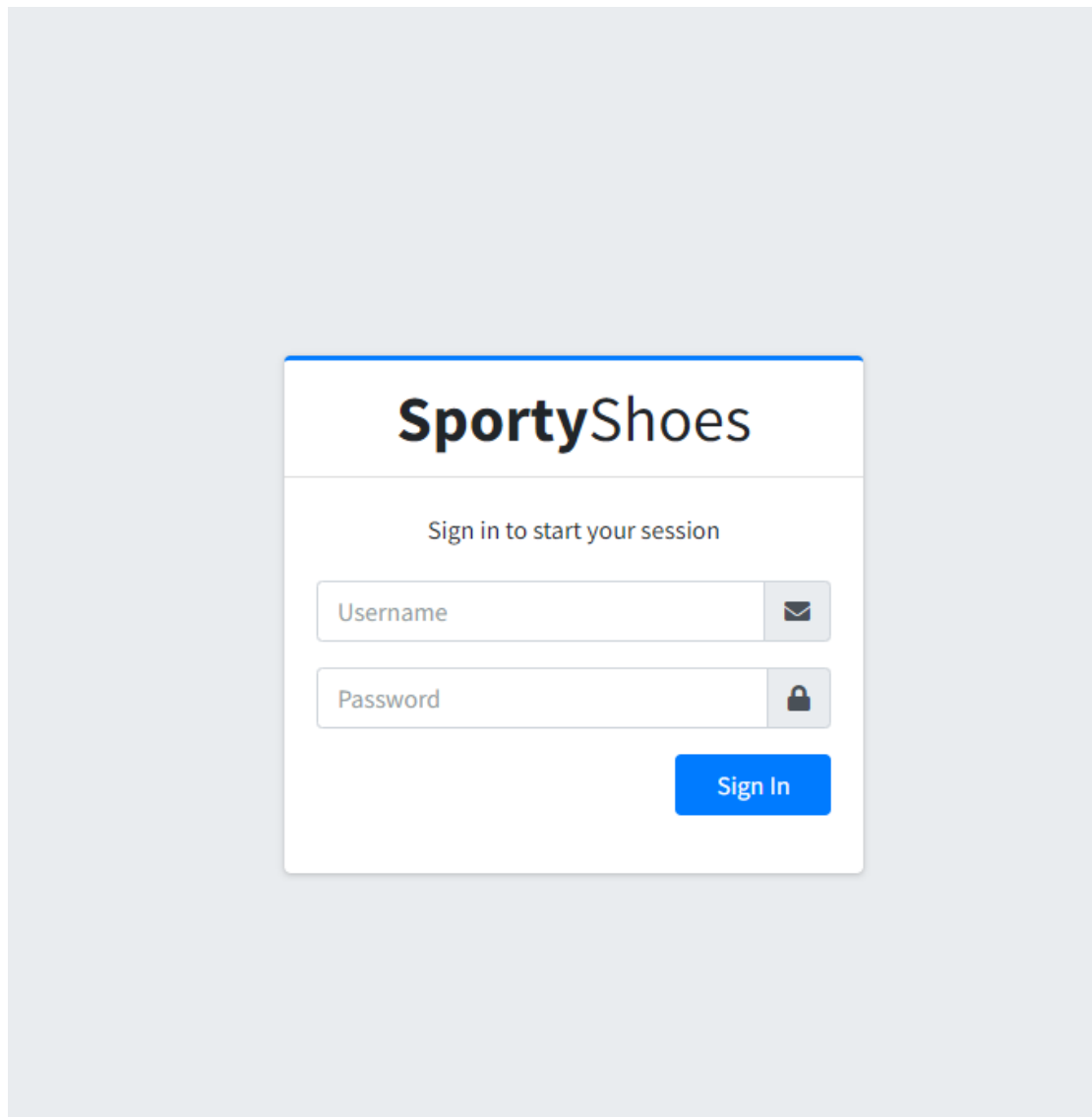
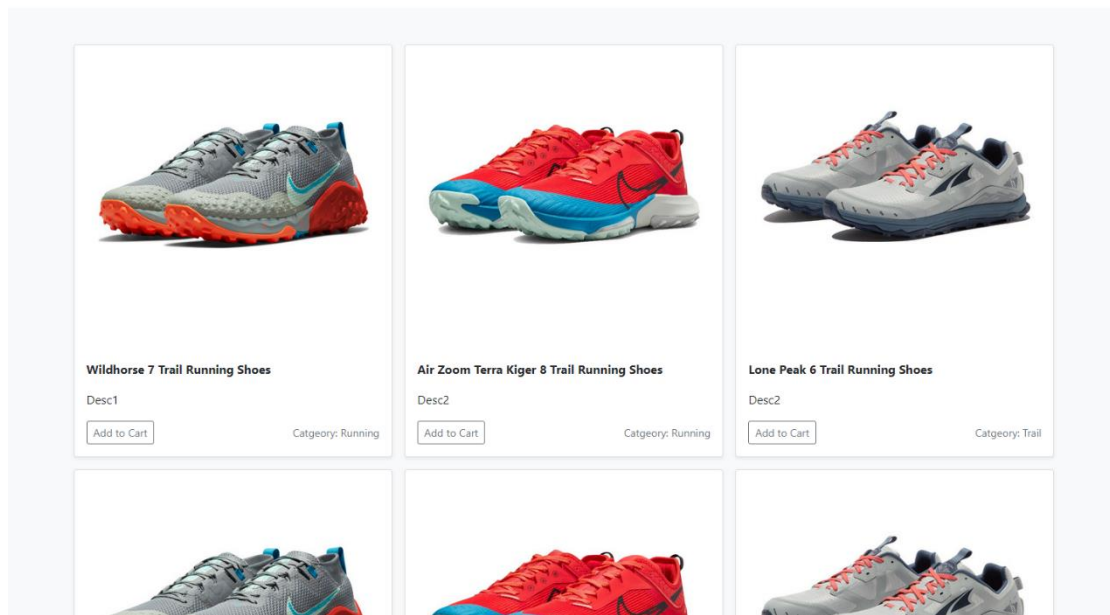
[Home](#) [Cart & Checkout](#) [Categories ▾](#)

LoginAdminSign-up

- Running
- Trail
- Field
- Hiking
- Gym
- Court
- Sandals

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SportyShoes

Sign up to start buying



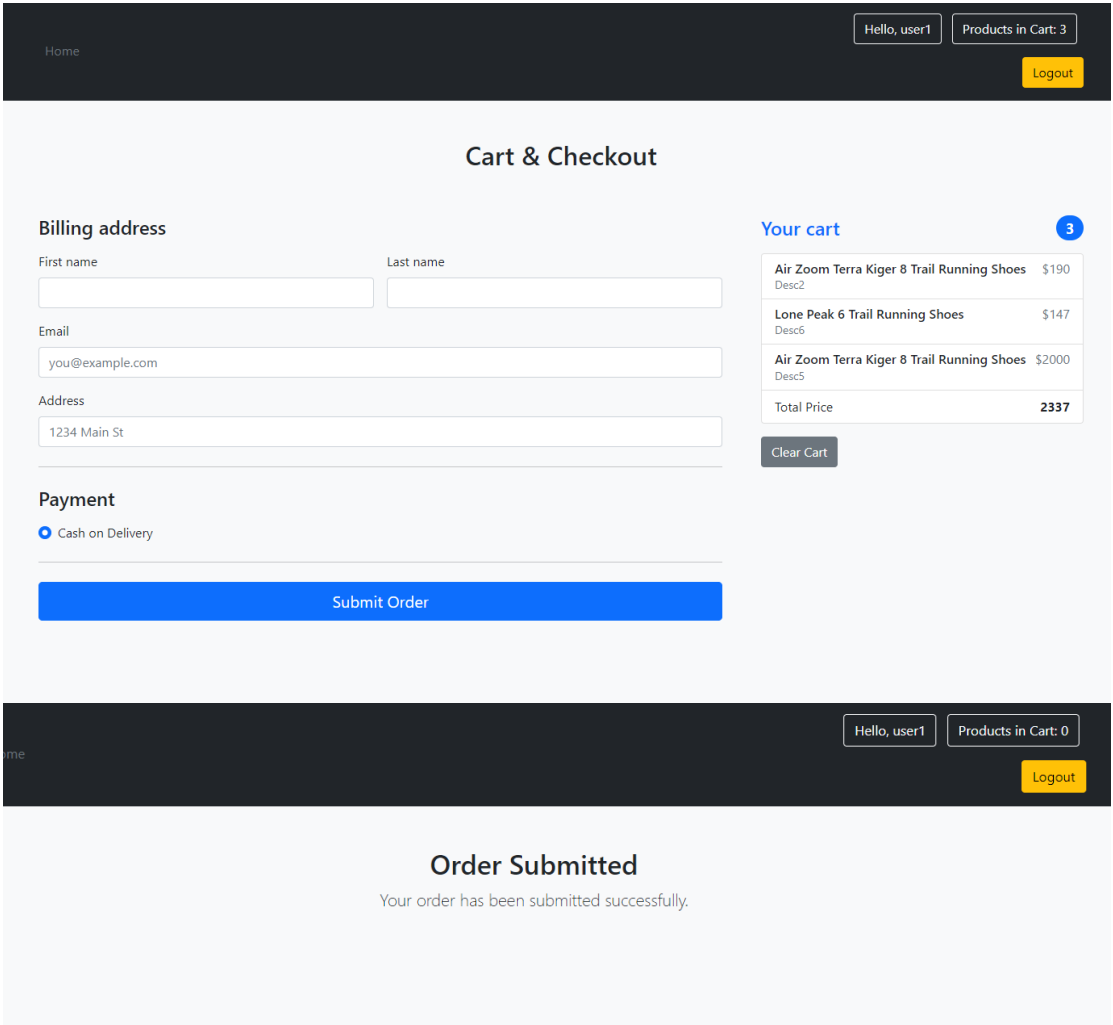
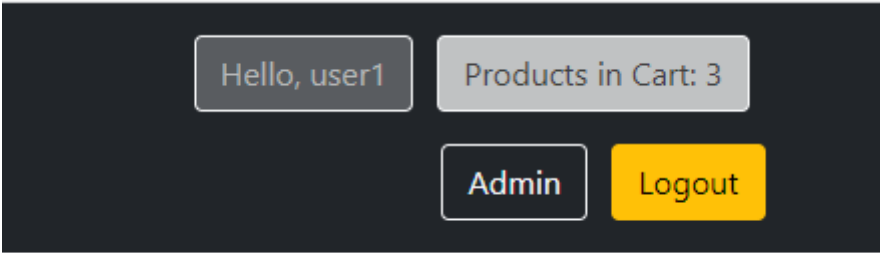
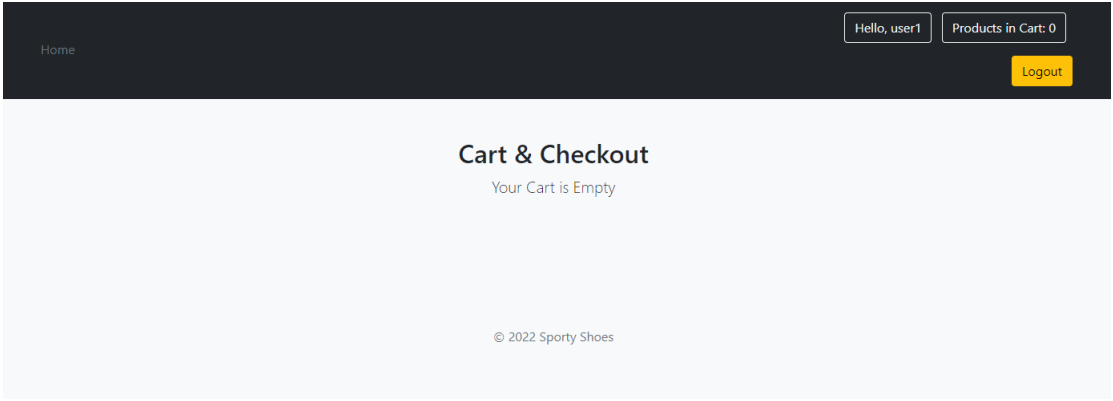
Sign Up

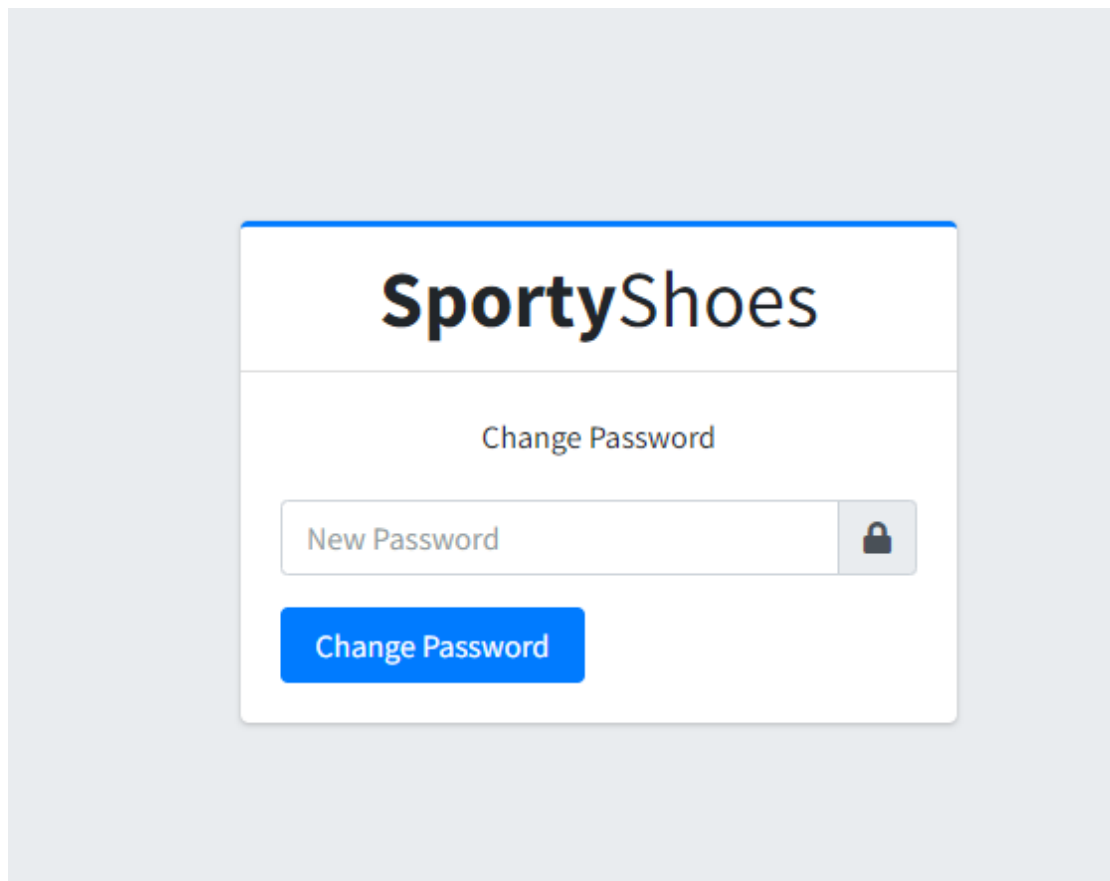
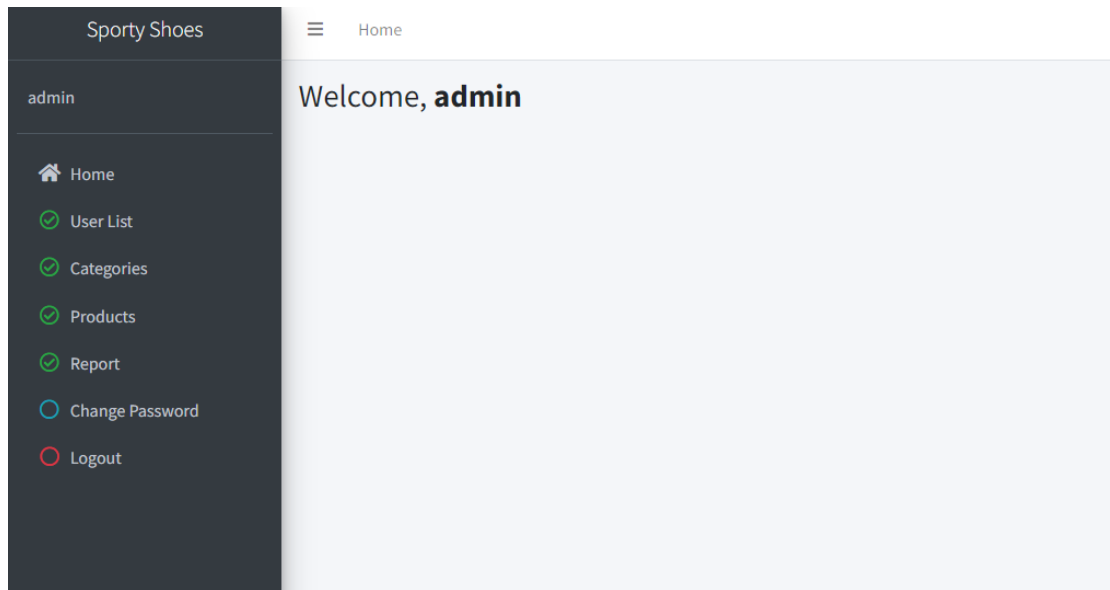
Hello, user1

Products in Cart: 0

Admin

Logout





Home

Welcome, **admin**

Search Users by Name

User Name

Enter user name

Submit

Users List

Id	Name	Username	Type	Delete
100	Test User1	user1	customer	<div>Delete</div>
200	Test User2	user2	customer	<div>Delete</div>
300	Test User3	user3	customer	<div>Delete</div>
400	Test User4	user4	customer	<div>Delete</div>
500	Test User5	user5	customer	<div>Delete</div>

Home

Welcome, **admin**

Add new category

Category Name





Enter category name

Submit

Categories List

Id	Name	Delete
1000	Running	<div>Delete</div>
2000	Trail	<div>Delete</div>
3000	Field	<div>Delete</div>
4000	Hiking	<div>Delete</div>
5000	Gym	<div>Delete</div>

Products List

Id	Category	Name	Description	Price	Image	Delete
5000	Running	Wildhorse 7 Trail Running Shoes	Desc1	150		<div>Delete</div>
6000	Running	Air Zoom Terra Kiger 8 Trail Running Shoes	Desc2	190		<div>Delete</div>
7000	Trail	Lone Peak 6 Trail Running Shoes	Desc2	544		<div>Delete</div>
8000	Hiking	Wildhorse 7 Trail Running Shoes	Desc4	520		<div>Delete</div>

Home

Welcome, **admin**

Filter Report

Date

mm/dd/yyyy

Category

Running

Submit

Purchase Report

Id	First Name	Last Name	Email	Address	Total Price	Products
1	Kamar	Zaghloul	kamarz01@gmail.com	address	2337	<div>Product:Air Zoom Terra Kiger 8 Trail Running Shoes</div> <div>Price:190</div> <div>Category:Running</div> <div>Product:Lone Peak 6 Trail Running Shoes</div> <div>Price:147</div> <div>Category:Sandals</div> <div>Product:Air Zoom Terra Kiger 8 Trail Running Shoes</div> <div>Price:2000</div> <div>Category:Hiking</div>

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Version 1.0

Rest of screenshots can be found here:

https://github.com/kamarz01/Simplilearn_Phase3_Ecommerce_Sporty_Shoes/tree/main/Screenshots

8. Github Repo

https://github.com/kamarz01/Simplilearn_Phase3_Ecommerce_Sporty_Shoes