SPORTY SHOES Pvt Ltd

Product – **sportyshoes.com**
Subject – Documentation for the prototype application
Developed by - Ishan Lahoti
Application URL - https://github.com/inu1103/sportyshoes.git

- An E-commerce platform to buy best quality Sport Shoes

ABOUT

Sporty Shoes, being an e-commerce website, helps you to buy the best quality and newly looking young generation sport shoes with full ease. It is an easy-to-use platform, designed using Java and Spring Boot. It helps users to select their appropriate size and design of their choice in a systematic way. It has been embedded by some special features which helps an individual to go through different choice of brands on the same page, thus giving a better User Experience.

We have partnered from over 2000 companies, like Adidas, Nike, Puma, Reebok, which serves over 10000 choices to user with different sizes. We are protected with a secured payment system to buy shoes with online payment method. So, why to wait, **GO & SHOP NOW** on **sportyshoes.com** .

PRODUCT's CAPABILITIES

➔ **User Experience**

1. It is a Full-Stack model, which has a completely new and modern design which serves as an interactive User Interface (UI).
2. Simple and Easy design with has a smooth workflow as the user proceed with the options
3. Multiple options to proceed with each with an indicated option to click
4. User can easily enter the process, can go through the process, and can easily exit

➔ Technology Stack

1. Front-end is being implemented using Java Programming Language and Back-end part is designed using Spring Framework.
2. IntelliJ is used as the Integrated Development Environment (IDE) purpose.
3. Functionalities has been implemented using Data Structures and Sorting Techniques such as ArrayList, HashMap, Binary Search, Bubble Sort, and Strings, Object Oriented Programming, and Advanced Java concepts.

➔ Features

1. With a Welcome Screen, user has 3 different options to choose from, namely Men's shoes, Women's shoes and Kid's shoes.
2. User can Login or Sign up (first time account creation) into their account to see their personal details, past order details, and recommendations.
3. Order can be placed in 3 steps, namely select the brand, select the quantity and size, and finally proceed to payment.
4. Admin Login exists, where admin can see the details of Orders placed, Sales recorded, and daily transactions operated.

➔ Security

1. **sportyshoes.com** is being secured within our servers, which enables a user to store their personal details and order placed details safely and to look for them in future.
2. Security features has been implemented using Java, which helps the Software to prevent from data leak, security breach, and system crash respectively.
3. We respect user's privacy and thus provide a highly secured experience.

➔ Customer Satisfaction

1. Every user is a valuable entity for **Sporty Shoes** brand.
2. It is an Open-Source website which is available free of cost to everyone.
3. Every user query is solved at highest priority, and valuable feedback is encouraged.

APPEARANCE

The following figure illustrates the file directory of the model respectively:-

File Structure

```
src
├── main
│   ├── java
│   │   └── com
│   │       └── cisco
│   │           └── sportyShoes
│   │               │    └─SportyShoesApplication.java
│   │               │
│   │               ├── controller
│   │               │   └── CommomController.java
│   │               │
│   │               ├── dao
│   │               │   ├── OrderDao.java
│   │               │   └── ShoesDao.java
│   │               │   └── UsersDao.java
│   │               │
│   │               ├── exception
│   │               │   └── GlobalExceptionHandeler.java
│   │               │
│   │               ├── model
│   │               │   ├── OrderedShoeModel.java
│   │               │   └── ShoesDataModel.java
│   │               │   └── UserInfoModel.java
│   │               │
│   │               ├── service
│   │               │   ├── OrderService.java
│   │               │   └── ShoesService.java
│   │               │   └── UsersService.java
│   │
│   │
│   │
│   └── resources
│       └── application.properties
└── main
    ├── webapp
        └── WEB-INF
            └── View
                │    └── .jsp (All file)
                └── style.css
```

USER INTERACTIONS

- The following images will depict the user interactions and step-by-step processing of the application :-
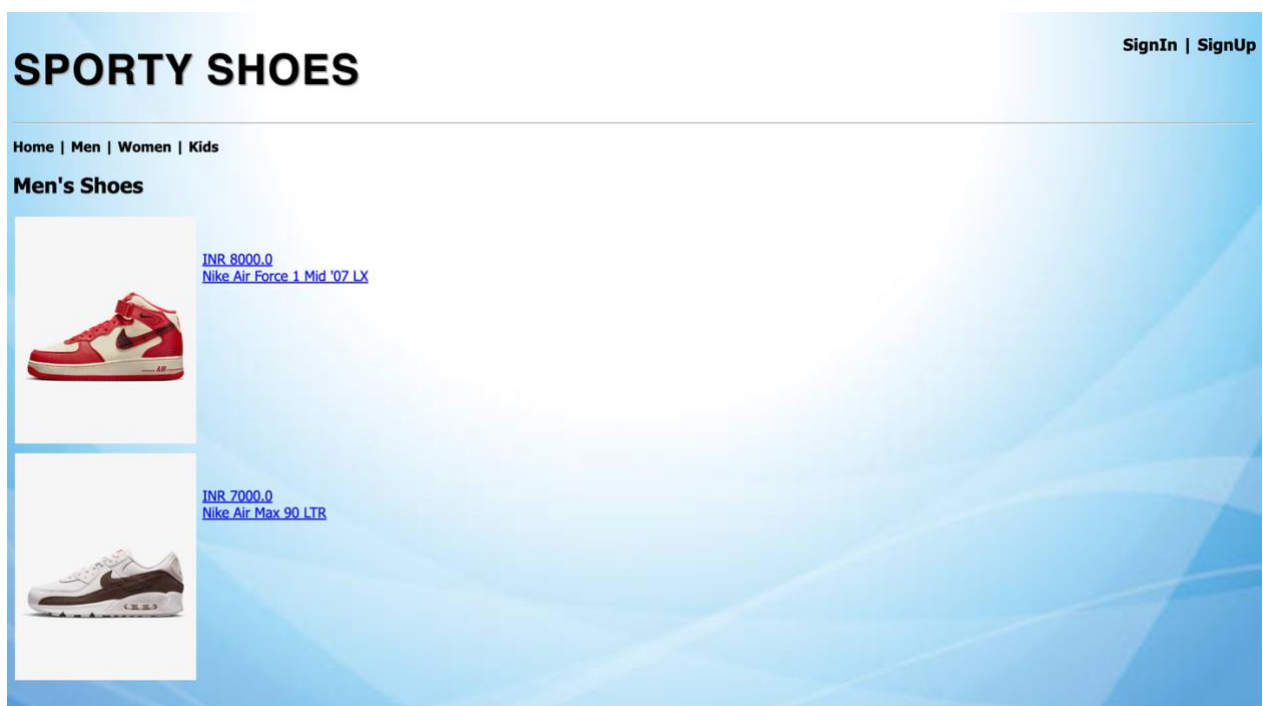
SPORTY SHOES

Home | Men | Women | Kids

Women's Shoes

INR 1800.0
Roadster

INR 2100.0
Red Tape

SPORTY SHOES

Home | Men | Women | Kids

Kid's Shoes

INR 1249.0
Happyfeet Running Shoes Pack of 1

INR 489.0
Peppa Pig by Yellow Bee Island Life Sandals

SPORTY SHOES

Home | Men | Women | Kids

ENTER YOUR CREDENTIALS

UserName [Ishan]

Password [••••••••]

[Signin]

Home	Men Shoes	Women Shoes	Kids Shoes	Change Password	Customers List	Add Product	Reports	Logout

Add New Product

Product Category : ○ Mens Wear
○ Womens Wear
○ Kids Wear

Product Name : [   ]

Product Price : [   ]

Img Link : [   ]

[Add Product]

CUSTOMERS INFORMATION

Firstname	Lastname	Password	Rollid	PhNo	Email
Anunag	Sharma	1234	2	99999	anu@gmail.com
Vighnesh	Gajula	1234	2	989898989898	v@gmail.com
Abhishek	Sharma	1234	2	379838973	abh@gmail.com
Manish	Chaurasiya	1234	2	9273489473	man@gmail.com

Welcome,ISHAN

Name	Price	Category	Img_Link	Update	Delete
Nike Air Force 1 Mid '07 LX	8000.0	1	https://static.nike.com/a/images/t_PDP_864_v1/f_auto,b_rgb:f5f5f5/644651f3-75a7-4582-b7a5-1cff99200ba4/air-force-1-mid-07-lx-shoes-KB8VF7.png	update	delete
Nike Air Max 90 LTR	7000.0	1	https://static.nike.com/a/images/t_PDP_864_v1/f_auto,b_rgb:f5f5f5/9ee5af66-b9b4-474d-bb28-2872b33b64c6/air-max-90-ltr-shoes-2nQ6XD.png	update	delete

SALES REPORT

Choose a Category: [Mens Wear ∨] **Select Date:** [dd/mm/yyyy 🗓] [Done]

Orderid	Shoeid	Name	Price	Quantity	Size	Totalprice	Categeory	Date
12	2	Nike Air Force 1 Mid '07 LX	8000.0	2	10	16000.0	1	2023-01-30
13	5	Red Tape	2100.0	3	8	6300.0	2	2023-01-30

TOTAL SALES= 22300.0

SPORTY SHOES

RED TAPE

Product Id : 5
Categeroy : 2

Price : 2100.0

Quantity: [1]
Size: [7 ∨]

[Place Order]

SPORTY SHOES

Home | Men | Women | Kids

RED TAPE

Product Id :5
Category :2

Price :2100.0

Quantity :3
Selected Size :8

Total Price :6300.0

Book Order

PAYMENT DONE. ORDER PLACED

THANKS FOR SHOPPING.....

Back to Home

SPRINT PLANNING

- The spring planning for the prototype application for Lockedme.com has been conducted in 15 days, which includes two sprints of 7 and 8 days respectively. A total number of 2 story points has been covered in total, which are divided in 1 and 1 in both the sprints. Each story has 4 tasks respectively.

1. Sprint 1 (7 Days/ 1 Story) :-

Task 1: Requirement Gathering – our team got information from stakeholders via Sporty Shoes to design an E-commerce platform to buy sport shoes.

Task 2: User Stories – we discussed on the obtained information and proceeded with an idea that user can have multiple options in the system to buy shoes of three different categories – men, women, and kids.

Task 3: Choice of Tech Stack – before the beginning of the development phase, we decided to develop the model using Java Programming language and its in-built libraries, and Spring Boot Framework. IntelliJ Idea preferred as the Integrated Development Environment (IDE).

Task 4: Development Planning – we created an on-paper model including the number of pages to be designed, flowchart of the working model, types of services to be included, and ease of placing an order

2. Sprint 2 (8 Days/ 1 Story) :-

Task 1: Team Division – we divided a team of 16 people into 4 groups each having 4 members. Each group being working on their own prototype, finalizing with a common result.

Task 2: Development Phase – Starting with coding for the **Welcome Screen**, we move on through developing the **Men's Catalogue** section, then we designed the **Backend part to store User Details, Sales report, and Shoes details** part, and then we closed it with the **Payment** option. All the required classes, packages, interface, and data storage has been developed accordingly.

Task 3: Testing – Each member from each group individually performed the testing for their prototype model, which took place in 3 iterations, namely unit testing, integration testing, and automation testing. All 3 testing phases passed successfully.

Task 4: Deployment – The complete source code and its documentation with proper screenshots is being pushed to the Repository and available to view in the GIT.