

Sporty-Shoes-Store

This project aims to design and develop an E-commerce Website for Sporty Shoes using Java Spring MVC. It enables users to buy and search the available products and make admin to manage the store within the system. It was developed as a project of Phase-3 for the Implement Frameworks the DevOps way Course.

Sprints and Tasks.

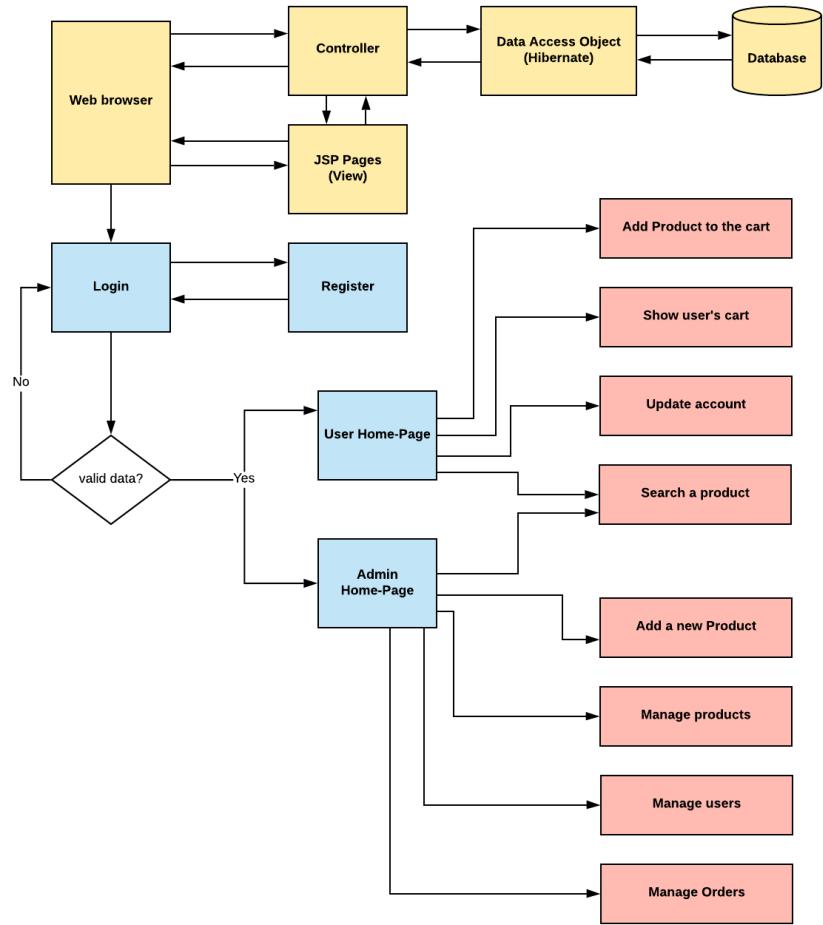
Product Backlog:

1. Create database and tables.
2. Add all dependencies to the Maven project.
3. Connect the database to the project.
4. Create the models' classes.
5. Create the data access object classes using Hibernate.
6. Create login and register pages.
7. Show all products to the home page.
8. Add products to the cart.
9. Show user's cart.
10. Create user's update page.
11. Enable the admin to add a new product.
12. Enable the ability to search for a specific product.
13. Make the admin able to update and remove a product.
14. Make the admin manage the users.
15. Make the admin manage the orders.
16. Add CSS file and use Bootstrap to format the pages.
17. Debug and test the project.

Flowcharts of The Application

Technologies and tools Used

- Spring MVC: to build web applications as it follows the Model-View-Controller design pattern.
- JSP: to handle the presentation view.
- Hibernate: to simplify the development and the interaction with the database.
- CSS: to format the contents.
- Bootstrap: to use some CSS and JavaScript designs.
- Maven: to manage the project.
- Eclipse: to write and run the code.



- phpMyAdmin: to administrate and manage the database manually.

- Tomcat: to run and deploy servlet application.

Core concepts used in the project.

- Object-Oriented: used to create and model objects for users and their credentials.

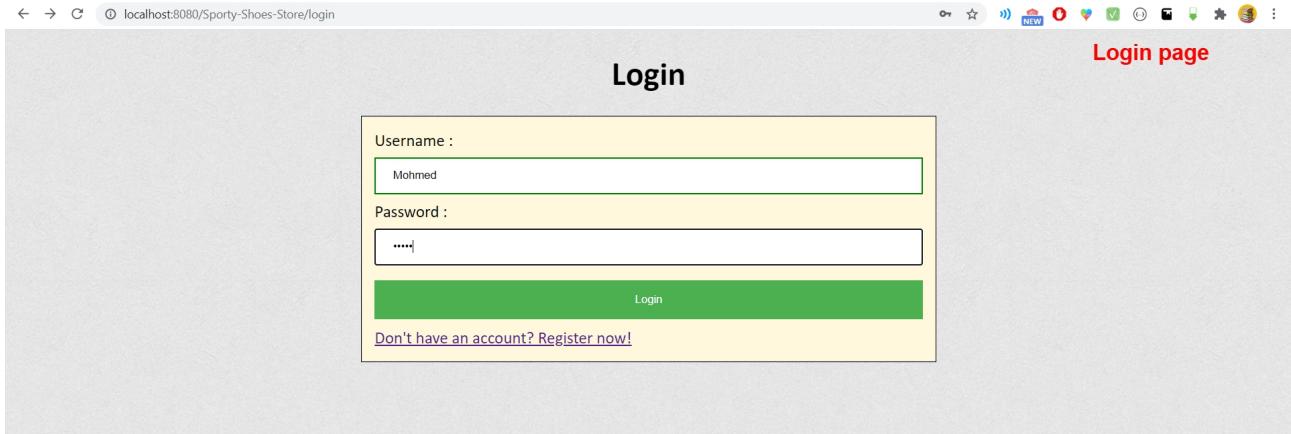
- Data Access Object: to abstract and encapsulate all access to the data source.

- Object-Relational Mapping: to map the objects to the database.

- Databases: used to store and retrieve data.

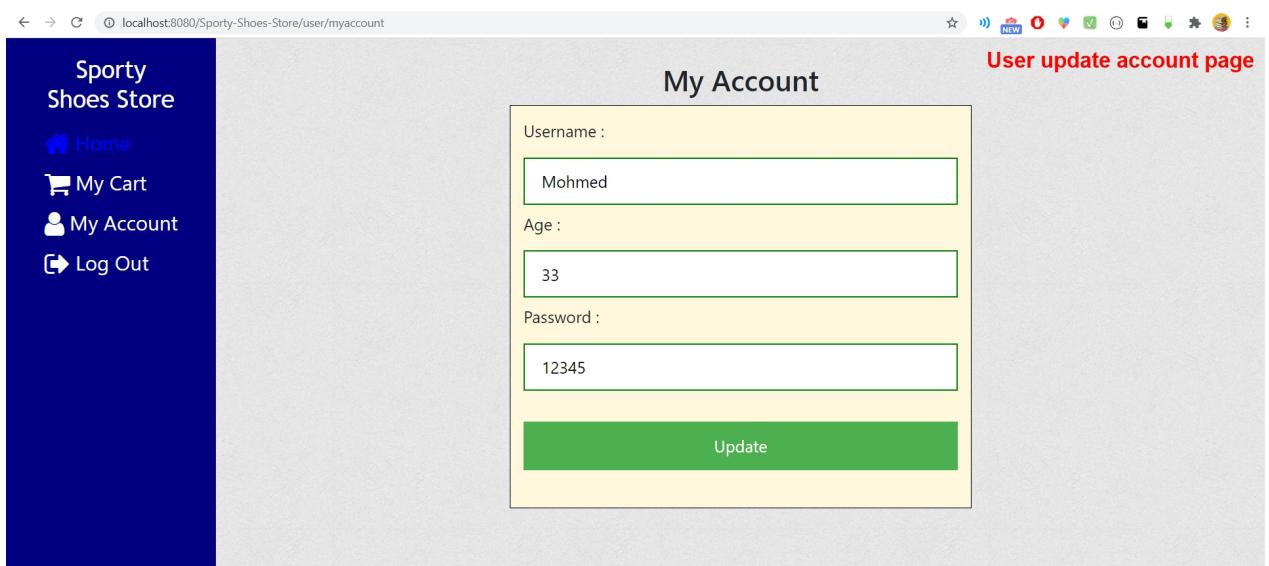
- Data Sources: used to define a set of properties required to identify and access the database.

- Collections: used some collections such arraylist to store collection of data.



- Exception Handling: used to catch problems that arises in the code especially in I/O blocks

Screenshots



localhost:8080/Sporty-Shoes-Store/register

Register page

Register

Username :
Mohmed

Age :
33

Password :
.....

Register

localhost:8080/Sporty-Shoes-Store/login

login as an admin using admin/admin

Login

Username :
admin

Password :
.....

Login

[Don't have an account? Register now!](#)

localhost:8080/Sporty-Shoes-Store/user/myaccount

User update account page

My Account

Sporty Shoes Store

- Home
- My Cart
- My Account
- Log Out

Username :
Mohmed

Age :
33

Password :
12345

Update

localhost:8080/Sporty-Shoes-Store/admin/updateProduct?productId=3

Sporty Shoes Store

- [Manage Products](#)
- [Manage Users](#)
- [Manage Orders](#)
- [Add Product](#)
- [Log Out](#)

Add a New Product

Product Name : Nike Air Max 97

Company : Nike

Size : 46

Price : 46

Image Link : https://i8.amplience.net/i/jpl/jd_414734_a?qlt=92&w=750&h=

[Update](#)

Update product's page

localhost:8080/Sporty-Shoes-Store/homepage/products

Sporty Shoes Store

- [Home](#)
- [My Cart](#)
- [My Account](#)
- [Log Out](#)

Search Product

User Home-Page

Adidas Originals

Adidas
36 inches
55\$

[Remove from Cart](#)

The ZX 750

Nike
36 inches
131\$

[Add to My Cart](#)

Nike Air Max 97

Nike
46 inches
157\$

[Remove from Cart](#)

localhost:8080/Sporty-Shoes-Store/admin/manageUsers

Sporty Shoes Store

- [Manage Products](#)
- [Manage Users](#)
- [Manage Orders](#)
- [Add Product](#)
- [Log Out](#)

Manage Users

Manage users' page for Admin

User Name	Age	Action
Mujtaba	24	Delete
ali	34	Delete
Ajmal	1	Delete
Sami	23	Delete
Husam	24	Delete
Mohmed	33	Delete