JAVA-FSD (PHASE-3)

Make an E-commerce Website for Sporty Shoes .

Developer details:-

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Link to this project: https://github.com/Rkcr7/Sporty_shoes-Phase-3-project.git

PROJECT DESCRIPTION

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

Sprints planning

The project is planned and completed in a single sprint.

Tasks completed in Sprint:-

- Creating the flowchart to determine the flow of the program
- Initializing git environment for project establishment
- Writing java code to fulfill the requirements
- Testing and debugging programs with different inputs
- Pushing code to GitHub.
- Creating this specification document highlighting application capabilities, appearance, and user interactions

2 sprints required with duration of 1 week each.
Sprint 1: Going through the Spring MVC concepts and implementing them.
Sprint 2: Going through the Spring Security concepts, implementing them and combining with the Spring MVC.

The flow of the Application

3 . Flow chart User

3.1 User Flow Chart

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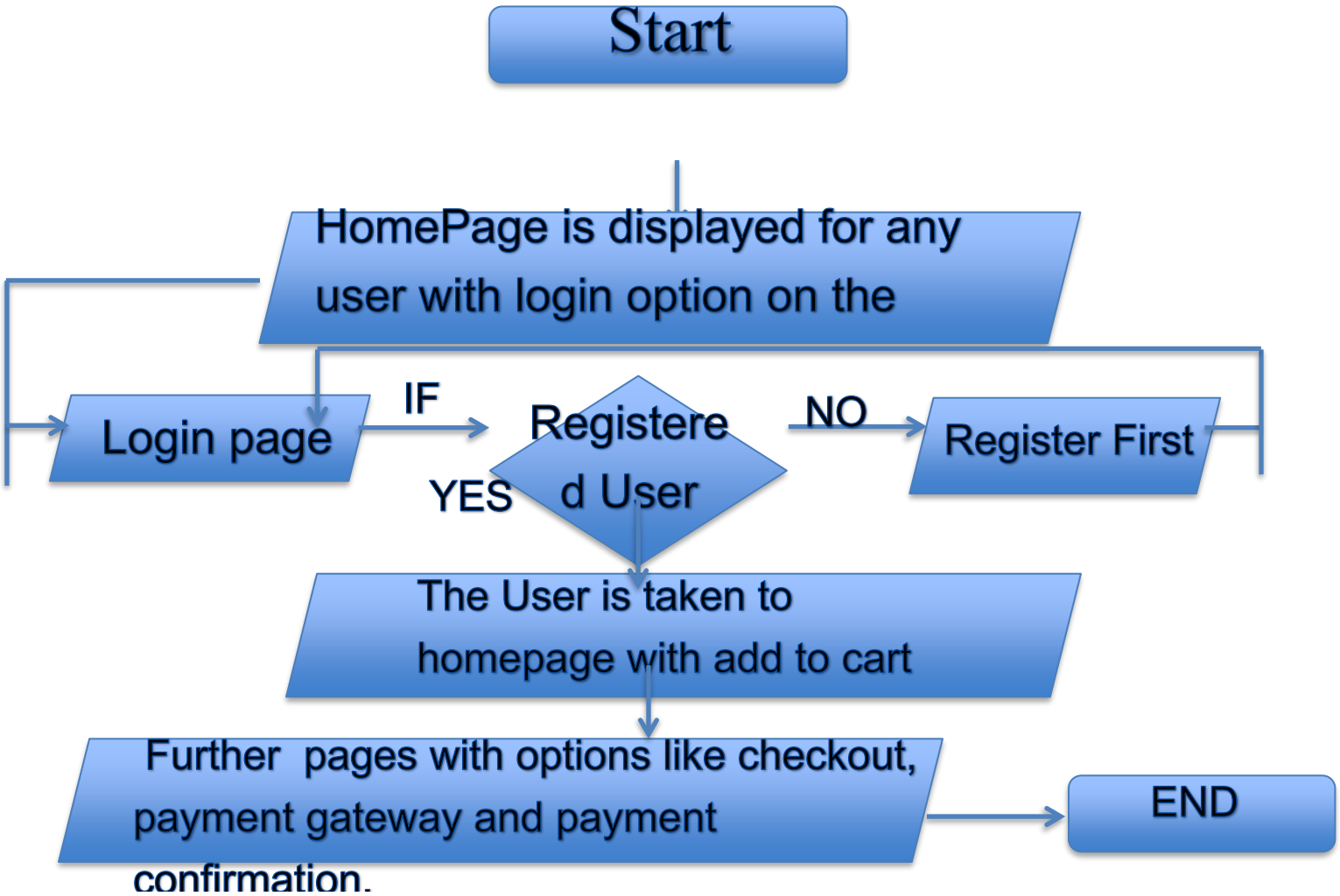
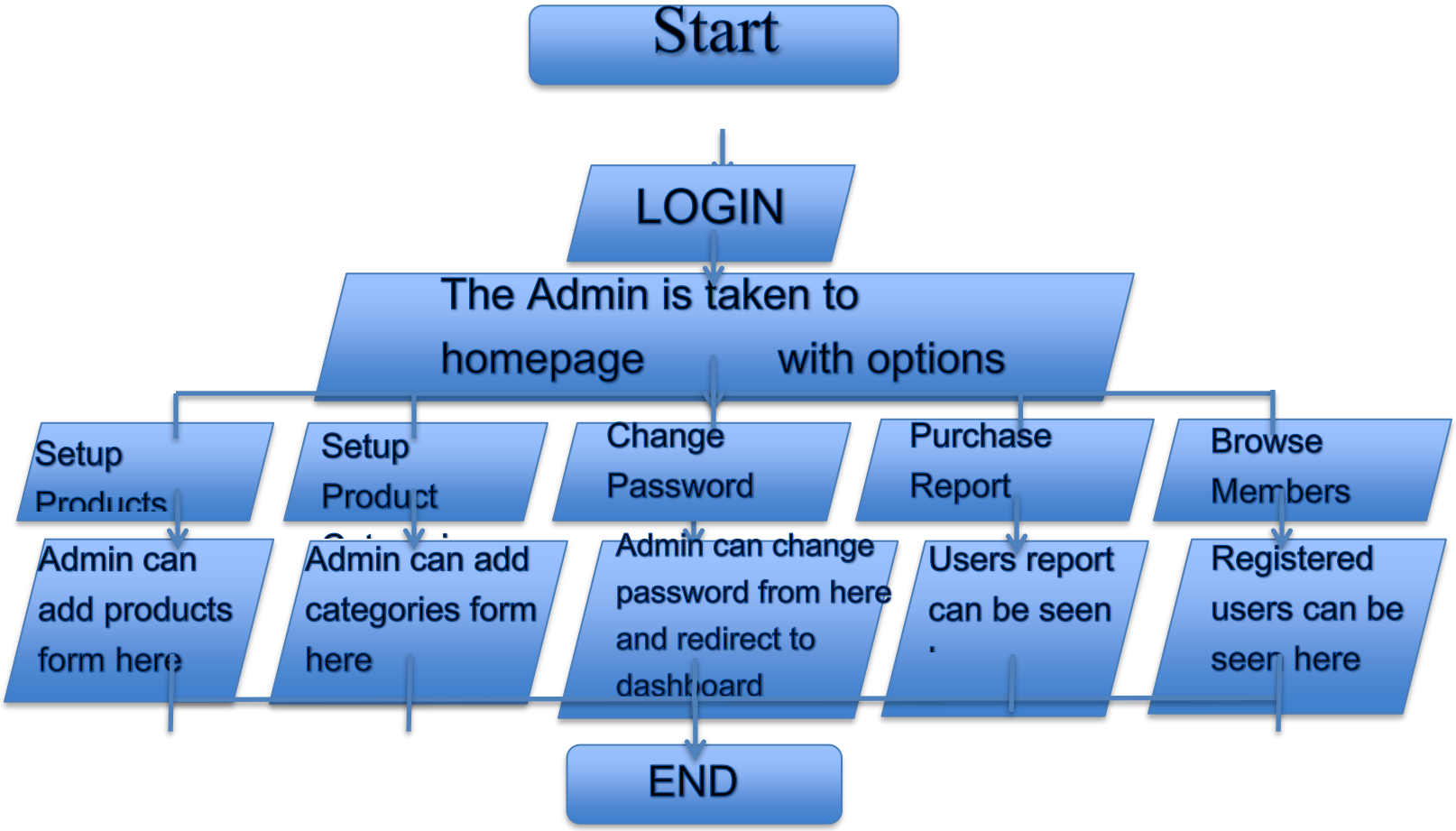


3.1 Admin Flow Chart



Pushing the code to the GitHub repository

- Initialize repository in project folder using the following command:

  git init

- Add all the files to your git repository using the following command:

  git add .

- Commit the changes using the following command:

  git commit . -m “<commit message>”

- Push the files to the folder you initially created using the following command:

  git push -u origin master

Product’s capabilities :

- Able to login as an admin.
- Able to register user.
- Able to login user.

I as an admin able to :

- Able to change the password. (Admin registration is hardcoded directly in the backend with encrypted password).
- Add product and categorize them.
- Browse the list of users who have signed up and be able to search users.
- See purchase reports filtered by date and category

I as user able to :

- Able to register myself.
- Able to login.
- Able to purchase products.

Core concepts used in the project:

- ➔ Used Java Language in Eclipse IDE.
- ➔ Spring-boot framework
- ➔ Collections framework
- ➔ Sorting
- ➔ Flow Control
- ➔ Recursion
- ➔ Exception Handling
- ➔ Streams API
- ➔ MYSQL
- ➔ JPA