

SportyShoes

Documentation

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Contents

- 1. Sprint planning**
- 2. Core concepts**
- 3. Flow of application**
- 4. Demonstrating product capabilities, appearance and user interactions**
- 5. Unique selling points**
- 6. Conclusion**
- 7. Source code link**

1. Sprint planning

The project is planned to be completed in three sprints and detail of every sprint functionalities is explained below:

Sprint-1

- Understanding the problem definition and project.
- Creating the flow of the project based on the requirements listed.

Sprint-2

- Creating the GitHub repository for the project and cloning the GitHub repo to local repo.
- Setting up Database Schema.
- Creating the Tables and adding constraints

Sprint-3

- Creating Maven Project.
- Setting up DispatcherServlet.xml and Web.xml and create beans.
- Creating Entities and setting up packages of project structure.
- Create JSP pages for front-end.

Sprint-3

- Working on Admin Feature with Forgot Password.
- Product and PurchaseReport Feature.
- Improvising Front Pages.

Sprint-4

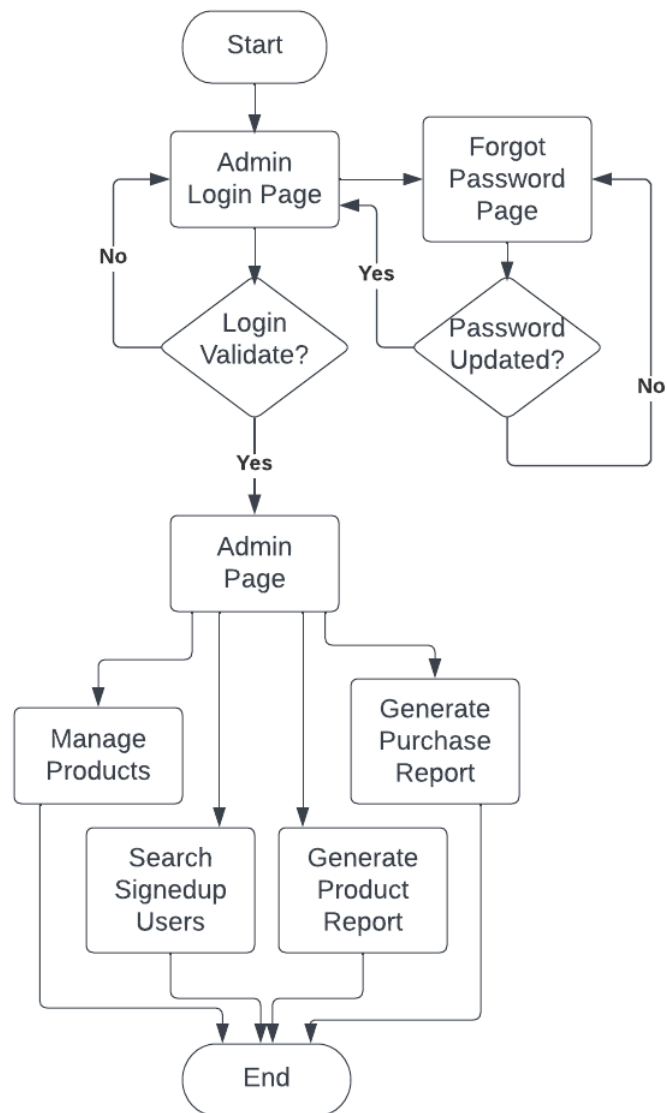
- Testing code with different test-cases.
- Pushing code to GitHub.

2. Core concepts

The Core concepts used for developing this project are

- Java
- Spring Framework
- Hibernate
- Java Server Pages
- MySQL
- HTML
- CSS

3. Flow of Application



4. Demonstrating product capabilities, appearance and user interactions

To demonstrate the product capabilities, below are the sub-sections configured to highlight appearance and user interactions for the project:

Step 1. Creating Maven Project with webapp archetype

Step 2. Setting up Database Schema.

Step 3. Setting up DispatcherServlet for creating beans

Step 4. Write Java Code using Spring Framework for getting started with features.

Step 5. Create Java Server Page for front-end and write code for different pages.

Step 7. Improve Styling for front-end pages.

Step 8. Pushing code to Git Repository.

5. Unique selling points

- The application has admin access who can login and change password if password need to be changed.
- The application can search for users who have signed up and search using email.
- The application can generate the report of product and category.
- The product can generate the purchase report with category and date of purchase.
- Logout option will take us to login page again to start over.

6. Conclusion

Further enhancements to the application can be made which may include:

- Adding products to cart with payment gateway.
- Asking user to verify user using OTP to mail-id.
- Improving styling to pages with more attractive CSS.

7. Source code link

GitHub:

<https://github.com/ramkrishnareddy24/SportyShoes>