Langa MR

The project is carried out by Langa Makhulu Relebogile and is also a developer.

Deviare – Full Java Stack

Assessment 4: Develop a Web Application using frontend stack.

*<Kitchen story>*

Product Design Specification

Version *<1.0>*

*<26/04/2024>*

Contents

[**1.** **INTRODUCTION/PURPOSE** 3](#_Toc165647244)

[**2.** **SPRINT TIMELINE** 3](#_Toc165647245)

[**3.** **FLOWCHART** 4](#_Toc165647246)

[**a.** **Flowcharts** 4](#_Toc165647247)

[**4.** **CORE CONCEPTS** 4](#_Toc165647248)

[**a.** **Maven** 5](#_Toc165647249)

[**b.** **Web pages and Java Servlet Page** 5](#_Toc165647250)

[**c.** **Database Connectivity** 5](#_Toc165647251)

[**d.** **Spring framework** 5](#_Toc165647252)

[**e.** **Hibernate** 5](#_Toc165647253)

[**f.** **MySQL** 5](#_Toc165647254)

[**g.** **WildFly** 5](#_Toc165647255)

[**5.** **GITHUB REPOSITORY LINK** 5](#_Toc165647256)

[**https://github.com/releylanga/tut-deviare-3.git** 5](#_Toc165647257)

[**6.** **CONCLUSION** 5](#_Toc165647258)

# **INTRODUCTION/PURPOSE**

To develop an e-commerce portal that allows people to shop for basic food items. Kitchen Story is an e-commerce portal that lets people shop for basic food items on their website.

# **SPRINT TIMELINE**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| User story | Task | Owner | Day 1 | Day 2 | Status |
| Admin needs to be able to change password | Provide option for admin to update password | Kitchen story. | 🗣 | 💻 | Completed |
| Provide admin with option to navigate back to the main context (dashboard) | Kitchen story. | 💻 | 💻 | Completed |
| Admin needs to be able to browse the list of food items available | List all food items in a table | Kitchen story. | 🗣 | 💻 | Completed |
| Provide admin with option to navigate back to the main context (dashboard) | Sporty Shoes. | 💻 | 💻 | Completed |
| Admin needs to be able to add or remove food items | Provide option for admin to add | Kitchen story. | 🗣 | 💻 | Completed |
| Provide option for admin remove food item | Kitchen story. | 💻 | 💻 | Completed |
| Provide option to navigate back to the dashboard | Kitchen story | 🗣 | 💻 | Completed |

Notes:

💻 – continuous improvement

🗣 – discuss options to be added

# **PRODUCT FEATURES**

1. Kitchen Story application is made specifically to the required business needs, it’s completely flexible and scalable to the business demands and growth.

2. The whole application is a Single Page Application that is more efficient in terms of processing and provides a seamless user experience.

3. The application web pages are responsive and secure.

4. The user can search and buy a variety of daily needs products. For payment user can select cash on delivery or card payment.

5. For management of orders and products there is an Administrator to manage.

6. The administrator can login through username and password. The admin can change the password if required.

7. The admin can add the new products. Admin can also update or delete the products in the master list.

8. Admin can also see the all the orders created by users.

# **CORE CONCEPTS**



1. Angular framework for frontend.

2. Spring boot framework for backend.

3. MongoDb database.

4. Bootstrap 4.

5. Spring Security.

6. Jwt authentication.

7. Spring web, Spring data mongodb.

8. Typescript, Html.

# **GITHUB REPOSITORY LINK**

# **<https://github.com/releylanga/tut-deviare-4_B.git>**

# **CONCLUSION**

The application meets all the requirements specified in the problem statement. In enhancing the application.