

# **Kitchen Story Web Application**

## **Developer Details:**

**Name:** Ntwanano Mathebula

**Position:** Full Stack Java Developer

**GitHub link:** [https://github.com/Ntwano14/KitchenStory\\_Website.git](https://github.com/Ntwano14/KitchenStory_Website.git)

## **Project Objective:**

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

## **Product Features:**

- Features of the Kitchen Story application include its tailored design to meet specific business requirements, offering complete flexibility and scalability to accommodate varying business needs and growth.
- The application operates as a Single Page Application, enhancing processing efficiency and delivering a smooth user experience.
- All web pages within the application are responsive and secure.
- Users have the capability to search and purchase a diverse range of essential food items, with payment options such as cash on delivery or card payment
- To oversee order and product management, an administrator is in place.
- The administrator accesses the system through a username and password, with the ability to modify the password as needed.
- Administrative functions encompass adding new products, updating or deleting items from the master list, and reviewing all user-generated orders.

## **Sprint planning and task achieved:**

Number of planned Sprint= 2.

### **Sprint 1:**

- Conducted an analysis of requirements and created a comprehensive specification document.

- Established the development environment using Spring Tool Suite (STS) of Eclipse for backend code development in generating a Spring Boot project.
- Strategized the implementation of an admin login feature REST API, utilizing Spring Security and JWT authentication.
- Successfully conducted testing of the login feature using Postman software.
- Formulated plans to develop essential APIs related to product management, including functionalities such as addition, removal, updating, and searching. Implemented and tested these REST APIs using Postman software.
- Formulated plans to develop requisite APIs associated with orders, encompassing tasks like saving and displaying orders. Successfully created and tested these REST APIs using Postman software.

### **Sprint 2:**

Devised plans for the development of frontend code for the project, generating an Angular project using Angular CLI.

Strategically planned and executed the development of necessary components and services, integrating Bootstrap 4 into the project. Successfully generated the required components and services.

Formulated plans to create templates corresponding to the associated components, achieving successful template creation.

Planned and executed a comprehensive testing phase for the entire web application by inputting data into the respective fields.

Verified that the web application is responsive, secure, and all features are functioning successfully.

### **Core Concepts used & Project Architecture:**

- Angular framework for frontend.
- Spring boot framework for backend.
- MongoDB database.
- Bootstrap.
- Typescript, Html.