

# Sprint 5 - User story document

## Document History

Author	Version	Date	Description	Comments
Giridharan Sankaran	0.1	27-Feb-2024	Functionality and Technical document update	
Yogesharvind Nedumaran	0.3	29-Feb-2024	Test results document to be updated	
Ashwin Krishna Mani	1.0	01-Mar-2024	To check the documentation	

## Background

In the 'Automated UI tests for frontend and Pending Frontend implementation' sprint, our team is focused on automating UI tests for the frontend while completing pending frontend implementation tasks. We aim to achieve completion of the frontend, including the creation of a dashboard and analytics feature for the manager to view sales trends of products. The introduction of automated UI tests using Selenium will enhance the reliability and efficiency of our testing process, ensuring the quality of the frontend implementation. Additionally, completing the dashboard and analytics feature will provide valuable insights to the manager, enhancing decision-making capabilities and improving overall user experience.

## Proposed Functional Solution

In the 'Automated UI tests for frontend and Pending Frontend implementation' sprint, our primary objective is to complete the frontend implementation while introducing automated UI tests using Selenium. We will focus on creating a dashboard and analytics feature for the manager to view sales trends of products, providing valuable insights for decision-making. The introduction of automated UI tests will enhance the reliability and efficiency of our testing process, ensuring the quality of the frontend implementation. By completing the pending frontend tasks and incorporating automated UI tests, we aim to achieve a robust and reliable frontend solution that meets user requirements and enhances overall user experience.

## Design Analysis and Solution:

### 3.1 Technical changes:

#### 3.1.1 Design Analysis:

In this sprint, our focus is on completing the frontend implementation and introducing automated UI tests using Selenium. We will prioritize the creation of a dashboard and analytics feature for the manager to view sales trends of products. This feature will provide valuable insights for decision-making and enhance the overall user experience. Additionally, we will design and implement automated UI tests using Selenium to validate the functionality and usability of the frontend. Our design analysis will ensure that the frontend meets user requirements and is robust and reliable.

#### 3.1.2 Frontend Completion:

Under the 'Frontend Completion' phase, we will focus on completing pending frontend tasks, including the creation of a dashboard and analytics feature. This feature will enable the manager to view sales trends of products and make informed decisions. Our design analysis will ensure that the dashboard and analytics feature is intuitive and user-friendly, providing valuable insights in an easily accessible manner. By completing the frontend implementation, we aim to enhance the overall usability and effectiveness of our application.

#### 3.1.3 Automated UI Tests Using Selenium:

Introducing automated UI tests using Selenium involves designing and implementing test scripts to validate the functionality and usability of the frontend. These tests will cover various scenarios to ensure that the frontend behaves as expected across different browsers and devices. By automating UI tests, we aim to streamline the testing process and improve code quality and reliability. Our design analysis will focus on identifying key test scenarios and crafting efficient and maintainable test scripts using Selenium.

#### **3.1.4 Dashboard and Analytics Feature:**

The dashboard and analytics feature will provide the manager with valuable insights into sales trends of products. This feature will include visualizations such as charts and graphs to present data in a clear and informative manner. Our design analysis will focus on creating an intuitive and user-friendly interface for accessing and interacting with the analytics data. By incorporating advanced analytics capabilities, we aim to empower the manager to make informed decisions and drive business growth.

#### **Use Test Cases:**

*To be updated based on Selenium script execution for frontend automated tests.*