**Purpose of the Document**

The purpose of this document is to outline the strategy for reviewing the user documentation of Excellentable Charts. This review aims to ensure that the documentation aligns with the feature's functionality and provides clear, accurate information to users.

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# Introduction

## Purpose

The purpose of this test plan is to ensure the quality, functionality, and reliability of the Excellentable Charts feature. This feature allows users to create and manipulate charts within the Excellentable application. The testing process will validate that the feature meets its intended purpose and functions correctly, providing a seamless user experience.

## Overview

The task involves assessing the user documentation for Excellentable Charts, which will serve as initial user stories for testing the feature. The objective is to ensure that users can effectively understand and utilize the feature based on the provided documentation.

# Risks / Issues

# 2.1. Risks:

* Compatibility issues with various browsers and operating systems.
* Data security concerns when handling sensitive information in charts.
* Performance issues when working with large datasets.
* Potential user interface (UI) inconsistencies.

# 2.2. Mitigation Strategies:

* Extensive cross-browser and cross-platform testing.
* Security testing to ensure data protection.
* Load testing to identify and mitigate performance bottlenecks.
* Regular UI/UX reviews to address inconsistencies.

# Scope

## In-Scope

* Chart Creation: Verify that users can create various types of charts (e.g., bar, line, pie) within the Excellentable chart feature.
* Data Integration: Ensure data from spreadsheets can be used to populate charts accurately.
* Chart Customization: Test the ability to customize chart elements (e.g., titles, legends, labels).
* Interactivity: Validate that users can interact with the charts (e.g., hover over data points for information).
* Export: Check the functionality to export charts in different formats (e.g., PNG, SVG).
* Error Handling: Verify how the application handles errors or incorrect data.

## Out-of-Scope

* Integration with external applications.
* Specific security audits (covered by a separate security testing plan).
* In-depth performance testing beyond basic load testing.
* Localization and internationalization testing (covered by a separate plan).

# Testing Strategy

* Manual Testing: Testers will perform manual testing to evaluate the user interface, functionality, and usability of Excellentable Charts.
* Automation Testing: Automated scripts will be created to validate repetitive and regression test scenarios.
* Cross-Browser and Cross-Platform Testing: Ensure compatibility with the latest versions of popular web browsers (Chrome, Firefox, Safari, Edge) and different operating systems (Windows, macOS, Linux).
* Data Integrity Testing: Verify that data displayed in charts accurately reflects the data in associated spreadsheets.
* Usability Testing: Gather feedback from real users to assess the feature's ease of use and overall user satisfaction.
* Performance Testing: Conduct load testing to evaluate system performance under various levels of user activity.
* Security Testing: Assess data security measures, focusing on data encryption and access controls.
* Error Handling Testing: Test how the application handles different types of errors, providing meaningful messages to users.

## Test Assumptions

* The user documentation is assumed to be the most up-to-date source of information about Excellentable Charts.
* The documentation is expected to be consistent with the actual feature behavior.

# Execution Strategy

## Entry Criteria

* Access to the user documentation for Excellentable Charts.
* Reviewers have a clear understanding of the feature's purpose and functionality.

## Exit criteria

* A comprehensive review of the documentation has been conducted.
* Any identified issues or discrepancies have been documented.
* Recommendations for improvements have been made.

## Validation and Defect Management

Any identified issues or discrepancies in the documentation will be documented and communicated to the relevant stakeholders for resolution. A follow-up review may be conducted to verify corrections.

Defects found during the Testing should be categorized as below:

|  |  |
| --- | --- |
| **Severity** | **Impact** |
| *1 (Critical)* | * *Functionality is blocked and no testing can proceed* * *Application/program/feature is unusable in the current state* |
| *2 (High)* | * *Functionality is not usable and there is no workaround but testing can proceed* |
| *3 (Medium)* | * *Functionality issues but there is workaround for achieving the desired functionality* |
| *4 (Low)* | * *Unclear error message or cosmetic error which has minimum impact on product use.* |

# Conclusion

This test plan outlines the approach and strategies for testing the Excellentable Charts feature. It aims to ensure the feature's reliability, functionality, and user-friendliness while addressing potential risks and limitations. Regular communication and collaboration between the QA team and developers are essential to address any questions, comments, or issues that may arise during testing.