Software Test Plan - STP

**“Amazon Kindle App”**

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Production environment

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**Version Control**

**Current Version**

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# Document Overview

## Introduction

This document serves as the Software Test Plan for Amazon Kindle Application in its **production environment**.

The purpose of this STP is to define the framework and Strategy for the testing of the Amazon Kindle App.

The plan is tailored to support the Agile Scrum methodology, emphasizing on flexibility, and iterative development.

MY objective is to validate the High Quality of the Amazon Kindle App.

I will verify that the Amazon Kindle App behaves as expected by testing its features’ functionality, usability and integration.

In alignment with Scrum principles, this document will try to stay as short and focused on Testing needs so it could be easily updated and evolve throughout project iterations.

## Objectives

At a high level The primary objectives of this Software Test Plan for Amazon Kindle are as follows:

* **Ensure Product Quality:**

To uphold the high standards of quality for which Amazon Kindle is known, verifying that all features work as intended and meet user and business requirements.

* **Enable Efficient Development Cycles:**

To align testing activities with Scrum sprints, facilitating swift identification and resolution of defects, and supporting the development team in quick iterations.

* **Support Business Goals:**

To ensure that the testing process aligns with the overarching business objectives, contributing to the sustained success and growth of Amazon Kindle.

## Scope

* The scope of this document is only for the production environment of the Amazon Kindle product.
* This STP won’t include the Test Planning and Test Execution of Amazon Kindle on the following OS: Linux, MacOS, Windows, IOS

## References

<If applicable you can list here any reference you have about the specification of the product like tutorials / User Manuals / SRS etc’.

In case there’s none you can state that No references were available e.g. “N/A”>

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| **No** | **Document Title** | **File Name (Path) / HyperLink** |
| 1 | N/A |  |
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# Scope of testing

## Features to be tested

Here you’ll state all the Modules Features you plan to test.

<Note that because it's an evolving document some features/Modules could be added/deleted while the project is in process depends on timetables and complexity>

* Install/Uninstall
* Account and Import – sign in
* Purchasing – Integration with Amazon
* Adding to lists
* Search filters
* Reading Filters
* Sort
* App settings
* Home page

## Features not to be tested

* Help and feedback
* Permanent delete
* Household sharing
* New user – sign up
* Info
* Collection
* Flashcards
* Discover
* More tab

## Testing Types

Outlined below are the test types that will be planned and performed during this project:

* **Functionality Verification:**

To ensure all features of Amazon Kindle, such as search execution, purchasing and reading, and general settings.

* **Usability Assessment:**

To evaluate the user interface for intuitiveness, ease of use, and accessibility.

This includes ensuring the home page is easily navigable and that the interface elements are responsive to user interactions.

* **Compatibility Testing:**

To confirm that Amazon Kindle works seamlessly across different devices (e.g., Smartphones, tablets)

* **Localization and Internationalization Verification:**

To ensure that Amazon Kindle provides accurate results and a user-friendly experience in different languages and regions.

* **Search Result Accuracy:**

To validate the relevancy and accuracy of search results provided by the search algorithms.

This includes testing the effectiveness of filters and the ranking of search results.

* **Smoke Testing**
* **load Functionality:**
* **Check if the login page is accessible**
* **Sign Up Functionality**
* **verify the user can Sign up to Amazon Kindle**
* **Login Functionality**:
  + Verify that users can log in with valid credentials.
* **Library Access**:
  + Check if the library loads properly after login.
  + Ensure that new books appear without delay.
  + Verify that the book list displays correctly.
  + Ensure that received emails are displayed correctly in the inbox.
* **Basic Navigation**:
  + Verify that various sections (Home, Library, Discover, More,) are accessible and functional.
  + Ensure that the "Search" bar works to find books.
* **User Interface Testing**

1. Page Size:

- Ensure the Amazon Kindle user can display a book at different font sizes.

- Verify smooth and responsive layout.

- Confirm clear indicators for reaching the maximum page size.

2. Page Navigation:

- Verify correct button states and smooth transitions.

- Ensure accurate book titles display during navigation.

3. Search:

- Test keyword and subject search.

- Check for accurate and responsive search results.

4. Filtering:

- Test filtering by read/unread, books, comics.

- Confirm easy configuration and performance with a fast filters result.

* **Error handling**

Check how the application responds when making expected / unexpected errors.

<List here all the testing types that you plan to use in this Project>

Smoke

Sanity

Functionality

GUI

Integration

Error Handling

Install/Un-Install

## Test Strategy and Approach

My test approach is systematic and structured to ensure thorough and efficient validation of each build received from the Development team.

The following outlines my planned testing progression for each release cycle:

**Initial Build Assessment with Smoke Testing:**

Upon receipt of a new build, the Quality Assurance (QA) team will execute a Smoke Testing Suite.

This suite is designed to quickly check the stability of the build and ensure that the core functionalities of Amazon Kindle are operating as expected.

Only after a build passes the smoke test will it move forward in the testing process.

**Focused Testing on New Features and Bug Fixes with Sanity Testing:**

After the build has passed the Smoke Testing phase, the QA team will proceed to Sanity Testing.

This phase is targeted at the features included in the release.

The objective is to ensure that specific features are functioning correctly in the application without any immediate issues.

**Incorporation of Exploratory Testing:**

Parallel to the structured testing phases, I allocate approximately 50% of the total testing effort during the execution phase for Exploratory Testing.

This approach allows testers to go beyond predefined test cases and scenarios, using their insights and experience to uncover issues that may not have been anticipated in the test planning stages.

**Iterative Feedback and Continuous Integration:**

The testing strategy is aligned with the Agile Scrum framework, which advocates for continuous integration and iterative feedback.

Testing phases will be tightly integrated with the sprint cycles, ensuring prompt feedback to the Development team and allowing for quick iteration and refinement of the application.

The proposed testing approach ensures a balance between structured testing and the flexibility to discover unforeseen issues, making it highly effective in an Agile development environment.

By following this approach, the QA team contributes to the delivery of a stable, high-quality product that meets the rigorous standards expected of Amazon Kindle.