Test plan

Date: December 9, 2024
Prepared By: Md. Abir Hossain Bony

Introduction
Objectives: The primary objective of this test plan is to ensure the functionality, usability, and reliability of the Hishabee Business App by performing manual testing on two key modules:

1. Inventory Management Module
2. Sales Management Module

These modules are critical to the app's core functionality, focusing on inventory tracking and sales management tasks. Testing will involve interacting with all related fields and functionalities to verify data integrity and user experience.

Team Members:

Name	Role	Type
Md. Abir Hossain Bony		

Test Scope
In-Scope:
- Manual testing of the Inventory Management and Sales Management modules.
- Validation of user interface, functionality, and data consistency.
- Verification of error handling for invalid inputs (negative testing).
- Bug tracking and reporting using JIRA.

Out-of-Scope:
- Performance and load testing.
- Automation testing for regression testing.

Test Approach

Testing Types:
- **System Testing:** Validate the application's functionality against defined requirements using black-box testing techniques.
- **Usability Testing:** Assess the user-friendliness and intuitiveness of the app's interface.
- **Negative Testing:** Test the system's behavior with invalid inputs or scenarios.
- **Reliability Testing:** Confirm the app's stability under normal operational conditions.

Pre-requisites:
- Detailed backlog document.
- UI design and architecture documents.
- Test environment setup with necessary configurations.

Test Environment

Device: Samsung Galaxy A54
OS: Android 14
App Version: 1.6.1
Network: Wi-Fi (300 Mbps)
Platform: Physical Device
API Environment: Production

Software and Tools

Tool/Software	Purpose	Version
JIRA	Bug tracking and reporting	Cloud
Xmind	Mindmap creation	Latest
Google Sheets	Test Cases, Test Summary etc.	Cloud

Entry Criteria
- **Test Design:** Requirements, Team formation, Responsibilities, Approved Test Plan, Schedule, Test Case Template, Environment Setup, Test Data Preparation

- **Test Execution:** Readiness of Test Lab, Readiness of AUT Requirements, Test Case excel, Test Data, Defect Report Template

Exit Criteria
- All possible test cases executed
- Maximum defects fixed
- Confidence on Test process
- Time Limitations
- Budget Limitations

Suspension Criteria
- Show-Stopper bug found
- Vast changes in requirements
- If resolving defects are more time consuming/expensive

Milestones

Test Schedule: The initial test schedule follows

Task	Start Date	End Date	Effort (Days)
Test Planning	08.12.2024	09.12.2024	2
Test Case Writing	10.12.2024	12.12.2024	3
Environment Setup	10.12.2024	10.12.2024	1
Test Execution	10.12.2024	12.12.2024	3
Bug Fix Verification			

Test Deliverables:

Deliverable	Responsible	Date/Milestone
Test Plan	Md. Abir Hossain Bony	09.12.2024
Test Cases Document	Md. Abir Hossain Bony	12.12.2024
Bug Report (via JIRA)	Md. Abir Hossain Bony	13.12.2024
Test Execution Results	Md. Abir Hossain Bony	12.12.2024
Test Summary Report	Md. Abir Hossain Bony	13.12.2024

Risks and Mitigation

Risk	Mitigation Strategy
Losing access to premium features	Purchasing premium package or complete testing procedure within free trial period.
Delay in test environment setup	Ensure all prerequisites are available beforehand.
Not having enough test cases to thoroughly cover all possible scenarios.	Focusing on high-risk areas first and ensuring critical functionalities are tested thoroughly.
Insufficient test data availability	Collaborate with stakeholders to gather data early.
Defects found late in testing phase	Allocate buffer time for retesting.

Approvals

Role	Name	Date
	Md. Abir Hossain Bony	09.12.2024
Test Lead		
Project Manager		

Glossary

AUT - Application Under Test