**Test Plan dan Software Testing Life Cycle (STLC)**

# **Test Plan**

## **1. Objective**

To ensure that the Pinjam Sultan system application meets the requirements specified in the PRD and is free from critical defects before release.

## **2. Scope**

Features to be tested:

• Account Registration & Verification  
 • Product Information & Catalog  
 • Product Description & Rental  
 • Vendor Information  
 • Booking & Payment Features  
 • Chat Feature with Service Providers  
 • Product Filters & Categories

Features not to be tested:  
 • Direct integration with GoSend & virtual bank APIs

**3. Testing Strategy**

Types of testing:  
 • Functional Testing  
 • Usability Testing  
 • Regression Testing  
 • UI Testing

Approach:  
 • Manual testing will be conducted for the entire user flow.  
 • Regression testing will be performed on subsequent builds.

## **4. Resources**

QA Team: 2 members (1 Manual QA, 1 Automation QA)

Tools: Google Sheets, Postman, Android Emulator, JIRA

## **5. Schedule**

| **Phase** | **Estimated Time** |
| --- | --- |
| Requirement Analysis | 1 day |
| Test Planning | 2 days |
| Test Case Development | 1 day |
| Test Environment Setup | 2 days |
| Test Execution | 1 day |
| Test Cycle Closure | 8 days |
| Total | 1 day |

## **6. Riks and Mitigation**

Risk: Delay in providing the testing environment  
Mitigation: Early coordination with the infrastructure team to ensure environment readiness

# **Software Testing Life Cycle (STLC)**

## **1. Requirement Analysis**

Entry Criteria:  
 • PRD is available and approved  
 • QA team understands functional and non-functional requirements  
  
 Exit Criteria:  
 • All requirements are analyzed and classified  
 • Requirement Traceability Matrix (RTM) is created  
  
 Estimated Time: 1 working day

## **2. Test Planning**

Entry Criteria:  
 • Requirement analysis results are available  
 • RTM has been prepared  
  
 Exit Criteria:  
 • Test Plan is complete with strategies, schedule, and resources  
 • Risks and mitigation strategies are identified  
  
 Estimated Time: 1 working day

## **3. Test Case Development**

Entry Criteria:  
 • Test Plan is approved  
 • RTM is available  
  
 Exit Criteria:  
 • All test cases are written and reviewed  
 • Test data is prepared  
  
 Estimated Time: 2 working days

## **4. Test Environment Setup**

Entry Criteria:  
 • Test Plan and test cases are available  
 • Test data is prepared  
  
 Exit Criteria:  
 • Testing environment is ready for use  
 • Smoke testing is successfully performed  
  
 Estimated Time: 1 working day

## **5. Test Execution**

Entry Criteria:  
 • Testing environment is ready  
 • Test cases and test data are available  
  
 Exit Criteria:  
 • All test cases are executed  
 • Bugs are reported and documented  
  
 Estimated Time: 2 working days

## **6. Test Cycle Closure**

Entry Criteria:  
 • All test cases have been executed  
 • All bugs have been addressed  
  
 Exit Criteria:  
 • Final test report is compiled  
 • Evaluation and lessons learned are documented  
  
 Estimated Time: 1 working day