# Test Summary Report – Parabank Manual Testing Project

**Project:** Parabank Online Banking Application
**Test Cycle:** Cycle 1 – Functional Testing
**Tester:** Aisyah Jalani
**Date:** 30-09-2025

## 1. Scope

This testing cycle focused on validating core banking functionalities of the Parabank application, including:
- User Authentication (Login/Logout)
- Account Overview
- Fund Transfers
- Basic Navigation

## 2. Test Execution Summary

Total Test Cases Executed: 6
Passed: 4
Failed: 2
Blocked: 0
Not Run: 0

Execution Results:

| Status | Count | Percentage |
| --- | --- | --- |
| Passed | 4 | 66.7% |
| Failed | 2 | 33.3% |
| Blocked/Not Run | 0 | 0% |

## 3. Defects Summary

Critical Issues Identified:
1. **Login Failure (BUG_002)**
   - Valid login attempts result in an "internal error has been logged" message.
   - Severity: Critical (Blocker)
   - Impact: Prevents user access to the application.
2. **Transfer Funds Failure (BUG_003)**
   - System allows transfer amounts greater than available balance and accepts negative values.
   - Severity: Critical
   - Impact: Severe financial and data integrity risk.

## 4. Overall Assessment

A total of **6 test cases** were executed during this cycle, with **4 passing** and **2 failing**.

- The **login defect** is a **blocker**, preventing user access and halting end-to-end testing.
- The **transfer funds defect** compromises **financial integrity**, allowing invalid transactions to be processed.

Given the severity of these issues in **core banking workflows**, the application is **not ready for release**.

## 5. Recommendations

1. **Fix Critical Defects Before Release**
   - Block release until login and transfer funds defects are resolved.
2. **Retest Impacted Modules**
   - Conduct regression testing on login and transfer funds flows after fixes.
3. **Expand Negative Test Coverage**
   - Add tests for invalid inputs, boundary values, and concurrent transactions.
4. **End-to-End Workflow Validation**
   - Re-test workflows from registration to fund transfers to confirm overall stability.
5. **Environment Stability Check**
   - Investigate intermittent internal errors to ensure system reliability.

## 6. Conclusion

The current build of the Parabank application is **not suitable for production release** due to unresolved **critical defects** in core banking functionality. It is recommended to **block release**, fix the identified issues, and perform a full retest before the next cycle.