**Final Test Summary Report**

**1. Test Summary Report Identifier**

**Document ID**: PARA-QA-TSR-001  
**Version**: 1.1  
**Date**: 2025-05-19  
**Project**: ParaBank Web Application  
**Prepared By**: Manual QA Team

**2. Summary**

This document summarizes the results of manual system testing executed on the **ParaBank** demo banking application, accessible at:

🔗 <https://parabank.parasoft.com/parabank/>

The objective was to verify the functionality, input validation, session management, responsiveness, and security behavior of core modules including **Registration, Login, Funds Transfer, Transactions Search, and Logout**.

3. Test Items

|  |  |
| --- | --- |
| **Module Name** | **Sub-Modules** |
| Registration | Form input, validations |
| Login | Authentication, case sensitivity |
| Fund Transfer | Amount checks, validation rules |
| Find Transactions | Date, amount, keyword filters |
| Logout | Session invalidation |
| Session Handling | Back navigation, idle timeout |
| Input Handling | Emojis, SQL, special chars |
| Mobile | Responsive layout |

4. Variations/Deviations

* The session timeout could not be verified with server-enforced policies, but was manually tested using idle simulation.
* Financial impact from transfers was assumed as actual backend banking integration was not active in the demo.

5. Test Environment

|  |  |
| --- | --- |
| **Parameter** | **Configuration** |
| AUT URL | <https://parabank.parasoft.com/parabank/> |
| Browsers Used | Chrome 125, Firefox 126 |
| OS Used | Windows 10, macOS Ventura |
| Devices | Desktop, Mobile Emulator |
| Test Tools | Manual execution, DevTools, Excel tracker |
| Test Type | Black-box Manual Functional Testing |

6. Test Execution Summary

|  |  |
| --- | --- |
| **Metric** | **Count** |
| Total Test Scenarios | 26 |
| Total Test Cases Executed | 40 |
| Test Cases Passed | 36 |
| Test Cases Failed | 4 |
| Test Cases Blocked/Skipped | 0 |
| Requirements Covered | 17 |

7. Defect Summary

|  |  |  |  |
| --- | --- | --- | --- |
| **Bug ID** | **Description** | **Severity** | **Status** |
| BUG-001 | Transfer accepts negative amounts | High | Open |
| BUG-002 | Registration allows emojis/special characters | High | Open |
| BUG-003 | Dashboard accessible via browser back post logout | Medium | Open |
| BUG-004 | Session timeout not triggered after 20 mins of idleness | Medium | Open |

8. Risks & Issues

|  |  |  |
| --- | --- | --- |
| **Risk/Issue** | **Impact Level** | **Suggested Action** |
| No enforced session timeout | Medium | Implement backend session expiration |
| Input sanitization inconsistent | High | Use server-side and client-side validation |
| Browser back access post logout | Medium | Clear session tokens and use cache control |

**9. Recommendations**

* Fix security vulnerabilities related to session and input handling.
* Enforce proper session timeout policies from the server.
* Improve error feedback for invalid inputs and enhance user prompts.
* Automate smoke tests using Selenium or Cypress for high-priority flows.

**10. Conclusion**

Manual testing was completed for all **40 test cases**, covering **26 functional scenarios** derived from **17 requirements**. Critical features such as registration, login, transactions, and session behavior were verified.  
While core functionalities passed, **4 important defects** related to **security and input validation** must be addressed.

**Overall Testing Status:** **Pass with Exceptions (PWE)**  
**Release Readiness:** Pending Fixes for High/Medium Priority Bugs