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# **Test Plan: Banking Project**

**Revision History**

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| **Date** | **Description** | **Author** |
| 2023-08-10 | Final Project | Hacheche Sara |

**1. Introduction**

The purpose of this test plan is to outline the testing approach, objectives, scope, and resources required for verifying the functionality of the Banking Project, as described in the Software Requirements Specification (SRS) document dated 03/09/2017.

**2. Objectives**

* Validate the system's adherence to specified requirements.
* Identify defects, if any, for resolution.
* Confirm user interfaces are intuitive and user-friendly.
* Ensure smooth integration of system components.
* Ensure compliance with design constraints.

**3. Scope**

Testing will encompass functional and non-functional aspects of the Banking Project, including both positive and negative scenarios. Interfaces with users will also be tested.

**4. Test Strategy**

* A manual testing will be employed.
* Focus on functional, boundary, usability, and integration testing.
* Negative testing to explore system behavior under unexpected conditions.
* Test data will consist of realistic and edge cases.
* Test environment will replicate the user's environment.

**5. Test Environment**

* Browser: Google Chrome (version 27 and above)
* Operating System: Windows 10
* Mobile App Testing: Android and iOS devices
* Test Data: Realistic customer and account data

**6. Test Cases**

Detailed test cases will be designed based on the functional requirements specified in the SRS document. Each test case will include:

* Test Case ID
* Test Description
* Steps
* Expected Results
* Actual Results
* Status (Pass/Fail)
* Comments/Defects

**7. Test Schedule**

Testing will be carried out from [start date] to [end date]. A detailed testing schedule will be developed during the test case design phase.

**8. Defect Reporting**

Defects will be documented using a defect tracking tool. Reports will include a description, steps to reproduce, severity, and priority. Regular review of defect reports will be conducted.

**9. Test Execution**

* Test cases will be executed according to the predefined schedule.
* Test results will be documented and compared against expected outcomes.

**10. Exit Criteria**

Testing will be deemed complete when:

* All test cases have been executed and passed.
* Critical defects have been resolved and retested.
* Major functionality has been verified successfully.
* The system complies with design constraints.

**11. Test Deliverables**

* Test cases and scripts.
* Test results and defect reports.
* Test summary report highlighting achievements and open issues.

**12. Risks and Mitigations**

* Limited testing resources may impact thoroughness. Mitigation: Prioritize high-priority and high-risk scenarios.
* Changes to application design post-testing may necessitate rework. Mitigation: Maintain constant communication with development.

**13. Sign-off**

This test plan has been reviewed and approved by the Test Lead, Development Lead, and Project Sponsor.