**Test Strategy Document Outline**

This document defines the testing approach, covering the methods, types, and focus areas for the project.

**1. Objective:**

* **To outline the testing approach and techniques for automating the Banking Application, ensuring reliability, security, and performance.**

**2. Testing Types and Scope:**

* **Functional Testing**: To verify that all features (e.g., login, funds transfer) work as expected.
* **Regression Testing**: Ensures new changes do not affect existing functionalities.
* **Cross-Browser Testing**: Confirms that the application works across multiple browsers (Chrome, Firefox, Edge).
* **Security Testing**: Tests login and account-related features to ensure data protection.
* **UI Testing**: Validates that the user interface is consistent and user-friendly.
* **Boundary Testing**: For inputs like transfer limits or login attempts.

**3. Tools:**

* **Selenium with Python**: For writing and executing automation scripts.
* **Allure/TestRail**: For reporting (if available).
* **JIRA or Excel**: For tracking bugs and issues.

**4. Test Data Strategy:**

* **Data Preparation**: Creating realistic scenarios for login credentials, transaction amounts, account balances, and error cases (e.g., insufficient funds).
* **Data Management**: Ensure data is reusable across tests to reduce redundancy and maintain accuracy.

**5. Entry and Exit Criteria:**

* **Entry Criteria**:
  + Application must be accessible in the testing environment.
  + All required tools are set up and functioning.
  + Test cases are finalized and reviewed.
* **Exit Criteria**:
  + All high and medium-severity bugs are resolved.
  + All test cases have been executed, with results recorded.
  + Test reports (metrics and summary) are complete.

**6. Deliverables:**

* **Test Cases Document**: A comprehensive list of test cases for the application's main features.
* **Automation Scripts**: Python-Selenium scripts for each test case.
* **Bug Reports**: Detailed documentation of any bugs encountered.
* **Test Metrics and Summary Reports**: Evaluation of the testing process and results.