**Test Strategy for Bank Website**

1. **Test Objectives**

The primary objective of testing a bank website is to ensure that it is secure, functional, and user-friendly. This includes testing various aspects such as login functionality, transaction processing, security, performance, and usability.

**2. Scope of Testing**

**In-scope:**

* + - 1. Account creation and management (e.g., savings, checking, credit cards).
      2. Payments and Transactions
      3. Authentication and Security
      4. Loan and Credit Services
      5. Customer Support
      6. ATM and Branch Services
      7. Mobile and Online Banking

**3. Focus Area**

* Functional Testing
* Security Testing
* Performance Testing
* Usability Testing
* Compatibility Testing
* Regression Testing
* Accessibility Testing

**4. Approach**

* Black box and white box testing techniques
* Automated test cases using Selenium and Appium
* Exploratory testing for key workflows
* Load testing with JMeter for at least 1000 concurrent users - Security testing for OWASP Top 10 vulnerabilities.
* Cross browser compatibility testing on IE, Chrome, Firefox - Ease of use evaluation with at least 10 end users.

**5. Test Schedule**

* + Define a testing timeline that aligns with development milestones.
  + Conduct testing in multiple phases, including unit testing, integration testing, and system testing.

**6. Test Deliverables**

* + Functional test cases and reports
  + Performance test scripts and results - Security vulnerabilities report
  + User acceptance testing report
  + Test coverage and defect reports
  + Automation regression suite

### **7. Entry & Exit Criteria User stories**

* + To be tested must meet the defined 'Ready for Testing' criteria.
  + Testing completes when all test cases execute with no critical defects outstanding.

**8. Risk Assessment and Mitigation**

* + Identify and mitigate potential risks in the testing process.
  + Continuously monitor and address security concerns.

**9. Test Exit Criteria**

* + Ensure that all critical defects are resolved.
  + Achieve desired test coverage.
  + Obtain stakeholder approval for release.

**10. Test Metrics and Reporting**

* + Document test results, including defects and issues.
  + Provide clear and concise reports to stakeholders.
  + Track and prioritize defects for resolution.