

Test Environment for Guru99 Banking Application

1. Hardware Requirements

- **Client Machines (Testers):**
 - Processor: Intel i5 or equivalent
 - RAM: 8 GB or higher
 - Storage: 250 GB SSD or higher
 - Network: Stable internet connection (10 Mbps or more)
 - **Server (Test Server):**
 - Processor: Intel Xeon or equivalent
 - RAM: 16 GB or higher
 - Storage: 1 TB HDD/SSD
 - Database Server: MySQL configured for backend storage
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2. Software Requirements

- **Operating System:**
 - Windows 10/11
 - macOS (for compatibility testing)

- **Browsers:**
 - Google Chrome (Version 27 and above)
 - Mozilla Firefox (Latest version)
 - Microsoft Edge (Latest version)
 - **Database:**
 - MySQL Server for backend database operations
 - **Web Application:**
 - Deployed Guru99 Banking application accessible via:
<https://demo.guru99.com/V3/>
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3. Tools

- **Test Management:**
 - Jira (for defect tracking and reporting)
 - **API Testing:**
 - Postman (to validate API functionality for features like Mini Statements and Balance Enquiries)
 - **Performance Testing:**
 - JMeter (to assess application performance under load)
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4. Test Data

- **Input Test Data:**
 - Dummy customer credentials:
 - **Username:** mngr331160
 - **Password:** qybAqEd
 - Account numbers, transaction data, and payment details for testing.
- **Output Test Data:**

- Validate output against expected results (e.g., correct balance shown after transactions, proper account statements generated).
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5. Test Environment Configuration

- **Environment Type:**
 - Staging/Pre-production environment simulating live production.
 - **Access URL:**
 - <https://demo.guru99.com/V3/>
 - **Environment Setup Steps:**
 1. Configure test server with application deployment.
 2. Set up database with test data.
 3. Validate that all URLs and modules are accessible.
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6. Risks and Dependencies

- **Risks:**
 - Inconsistent test data leading to false positives or negatives.
 - Downtime of the Guru99 demo environment.
 - **Dependencies:**
 - Availability of demo accounts and uninterrupted access to the application.
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This environment ensures that the Guru99 Banking application can be tested under conditions that closely resemble its intended usage. Let me know if you want this formatted into a Word document!