

# 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.