Test Environment Setup Document

# Project:

RobotFramework Demo Automation Bank Tests

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# 1. Purpose

This document defines the required environment setup for executing automated test cases of the Demo Bank Application using Robot Framework.

# 2. Test Environment Requirements

• Operating System: Windows 10 / 11  
• Browser: Chrome (latest)   
• Python: 3.x  
• Robot Framework: 6.x  
• SeleniumLibrary: Latest version  
• Browser Drivers: ChromeDriver   
• CI/CD: Jenkins (optional)  
• Version Control: GitHub

# 3. Hardware Requirements

• Processor: Intel i5 or higher  
• RAM: 8GB minimum  
• Disk Space: 10GB free  
• Internet Connectivity: Required for browser tests

# 4. Setup Instructions

1. Install Python 3.x  
2. Install Robot Framework using pip  
 > pip install robotframework  
3. Install SeleniumLibrary  
 > pip install robotframework-seleniumlibrary  
4. Clone the test repository from GitHub  
5. Execute tests using command:  
 > robot -d reports tests/

# 5. Test Data Requirements

• Separate datasets for Customer Test and Manager Test  
• Dummy customer accounts for deposit/withdraw test cases

# 6. Access & Permissions

• Testers should have access to Demo Bank Application URL

# 7. Risks & Dependencies

• Browser version mismatch may cause automation failures  
• Application downtime may block test execution  
• Test data corruption may impact results