**Test Report Document for Automation Testing DemoQA**

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* **Version**: 1.0
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* **Date**: 02/07/2025
* **Approved by**: [Self-approved for portfolio]
* **Approval Date**: 02/07/2025

# **1. Introduction**

This Test Report summarizes the outcomes of automated testing conducted on the DemoQA website (<https://demoqa.com/>), a platform designed for testing practice. The testing focused on validating login, form submission, UI alignment, and API endpoints using Selenium IDE and Postman, aiming to build a robust portfolio for an Intern Tester role.

# **2. Test Execution Summary**

* **Test Period**: 02/07/2025 - 02/07/2025
* **Environment**: Microsoft Edge (latest version), Windows, Desktop
* **Tools**: Selenium IDE (UI automation), Postman (API testing), Jira (defect tracking), Excel (test case documentation)
* **Total Test Cases**: 6
* **Pass**: 5
* **Fail**: 1 (simulated)
* **Modules Tested**:
  + Login (1 test case)
  + Form (1 test case)
  + UI (1 test case)
  + API (3 test cases)

## **Test Case Results**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Module** | **Total** | **Pass** | **Fail** | **Notes** |
| Login | 1 | 1 | 0 | Passed: TC\_Login\_002 |
| Form | 1 | 1 | 0 | Passed: TC\_Form\_002 |
| UI | 1 | 0 | 1 | Failed: TC\_UI\_003 (simulated) |
| API | 3 | 3 | 0 | Passed: TC\_API\_001, TC\_API\_002, TC\_API\_003 |

# **3. Bugs Reported**

Three defects were identified and logged in Jira during testing:

* **DEMO-1**: "Failed login with incorrect username" (Medium)
  + **Test Case**: TC\_Login\_002
  + **Description**: Test passed, no actual defect; included for portfolio demonstration.
  + **Screenshot**: screenshots/demo\_login.png
  + **Jira Ticket**: DEMO-1
* **DEMO-2**: "Submit form with empty fields" (Medium)
  + **Test Case**: TC\_Form\_002
  + **Description**: Test passed, no actual defect; included for portfolio demonstration.
  + **Screenshot**: screenshots/demo\_form.png
  + **Jira Ticket**: DEMO-2
* **DEMO-3**: "Button misalignment on small screen" (Medium)
  + **Test Case**: TC\_UI\_003
  + **Description**: When resizing to 320px width, the button is misaligned or partially hidden, affecting usability.
  + **Screenshot**: screenshots/demo\_ui.png
  + **Jira Ticket**: DEMO-3

# **4. Analysis**

* **Strengths**:
  + The application demonstrates stable login and form functionalities.
  + API endpoints return expected responses (e.g., Status 200, 400).
  + Automation scripts executed successfully on Microsoft Edge.
* **Issues**:
  + Simulated UI misalignment on small screens (TC\_UI\_003) highlights potential responsiveness concerns.
  + No critical defects identified, aligning with demo nature of DemoQA.
* **Recommendations**:
  + Enhance UI responsiveness for small viewports (e.g., adjust button alignment at 320px).
  + Conduct further automation with varied browser sizes post-portfolio submission.
  + Monitor API response times for performance optimization.

# **5. References**

* Test Cases: Test\_Cases.xlsx (6 test cases with results and bug references).
* Screenshots: screenshots/ (test execution and Jira bugs).
* Bug Reports: bug\_reports/ (PDF exports of Jira tickets).
* Scripts: scripts/ (Selenium IDE .side files).
* API Collection: api/demoqa\_api.json (Postman configuration).

# **6. Lessons Learned**

* Gained proficiency in automating UI tests with Selenium IDE and API tests with Postman.
* Improved defect reporting skills by simulating real-world bug logging in Jira.
* Learned the importance of clear documentation for portfolio presentation.

# **7. Conclusion**

The automated testing of DemoQA successfully validated key functionalities, with one simulated failure (TC\_UI\_003) to demonstrate defect reporting skills. All 6 test cases were executed, with 5 passing and 1 failing as intended. This report, alongside associated artifacts, showcases proficiency in automation testing, defect management, and documentation for an Intern Tester application.

# **8. Prepared by**

* **Tester**: Nguyen Thi Tam Nhi, Intern Tester
* **Date**: 02/07/2025