Test Plan - Zoho Login Automation

# Test Plan for Zoho Login Automation

# Project Title: Selenium Automation for Zoho Login Validation

Prepared By: Aadhitya

Date: July 3, 2025

# 1. Objective

To automate and validate the login functionality of the Zoho Accounts login portal using two Selenium-based scripts:

# 1. Script 1: Basic Title Verification with JavaScript Alert

2. Script 2: Full Login Flow with Email/Password Input, Screenshot Capture, and Report Generation

# This test ensures the login workflow behaves as expected and provides a mechanism for regression checks.

# 2. Scope

- Accessing the login page

- Verifying the page title content via JavaScript alert

- Logging into Zoho with valid credentials

- Capturing screenshots before and after login

- Logging test status to Excel, HTML, and log file formats

# 3. Tools Used

- Python 3.x

- Selenium WebDriver

- ChromeDriver (via webdriver\_manager)

- openpyxl for Excel

- Standard logging module for .log file

# 4. Test Environment

- OS: Windows 10/11

- Browser: Google Chrome (latest version)

- IDE: PyCharm

- Python libraries: selenium, webdriver-manager, openpyxl

# 5. Test Scenarios and Scripts

# A. Script 1: Page Title Verification with Alert

File Name: zoho\_alert\_test.py

# Step | Description | Expected Outcome

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1 | Navigate to Zoho login page | Page loads without error

2 | Capture title using Selenium | Title includes "Zoho" or "accounts"

3 | Show result via JavaScript alert | Alert shows correct message

4 | Accept alert and quit browser | Alert closes, browser exits cleanly

# B. Script 2: Full Login with Reporting

File Name: zoho\_login\_report.py

# Step | Description | Expected Outcome

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1 | Navigate to Zoho login page | Page loads and email field is visible

2 | Enter email | Email accepted and moves to password screen

3 | Enter password and login | Dashboard or landing page loads successfully

4 | Capture screenshots | Stored in /screenshots/ folder

5 | Log results to .log, .xlsx, .html | Reports created in /reports/ folder

# Note: Script may fail if MFA or CAPTCHA is enforced by Zoho.

# 6. Pass/Fail Criteria

# Criteria | Result

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Title alert script runs and shows message | ✅ PASS

Login script completes with screenshot + report | ✅ PASS

Any step fails or element not found | ❌ FAIL

# 7. Reporting and Output

- Screenshots saved at: /screenshots/

- Logs saved to: reports/zoho\_login.log

- Excel report: reports/zoho\_login.xlsx

- HTML report: reports/zoho\_login.html

# 8. Assumptions and Constraints

- Zoho account does not have MFA or CAPTCHA enabled

- Internet connection is stable

- Test email/password credentials are valid

# 9. Future Recommendations

- Include logout verification

- Integrate cookie handling for session reuse

- Run using headless Chrome for CI/CD environments

- Hook reports into Jenkins or GitHub Actions

# End of Test Plan Document