

Automation Testing Project – DemoQA Website

Project Title:

Automation Testing of “DemoQA” Practice Website

Website for Testing:

<https://demoqa.com/>

Overview

The goal of this project was to automate and validate key features of the DemoQA website using Selenium WebDriver with TestNG, Maven, and Java.

Different modules like Elements, Forms, Alerts, Frames, Windows, Upload & Download, and Data-Driven Testing were automated.

Extent Reports was used to generate an HTML report after test execution.

Tools & Technologies Used

- Java
 - Selenium WebDriver
 - TestNG
 - Apache POI (for Excel)
 - Maven
 - WebDriverManager
 - Extent Reports
 - Eclipse IDE
 - Google Chrome
-

Test Execution Summary

Metric	Count
Total Test Cases	10
Passed	10
Failed	0

Test Evidence

- Screenshot: *PracticeFormConfirmation.png*

The screenshot shows a confirmation message "Thanks for submitting the form" above a table of form values. The table has two columns: "Label" and "Values".

Label	Values
Student Name	VANI RAM
Student Email	variram@example.com
Gender	Female
Mobile	6382738273
Date of Birth	16 November,2025
Subjects	
Hobbies	
Picture	
Address	Bangalore,Karantaka

- HTML Report: *DemoQA_TestReport.html*

The screenshot shows an HTML-based test report with a sidebar and a main content area.

Tests (Sidebar):

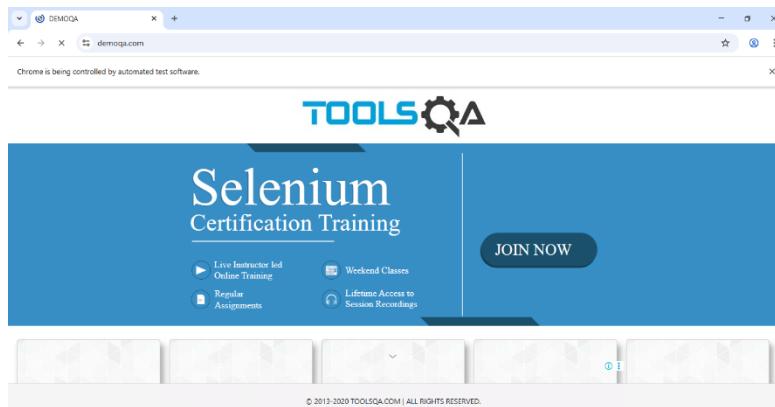
- TASK 1: Verify Home Page Title
11:08:09pm / 00:00:12.956 Pass
- TASK 2: Verify Text Box Form
11:08:22pm / 00:00:18.439 Pass
- TASK 3: Checkbox Test
11:08:40pm / 00:00:03.932 Pass
- TASK 3: Radio Button Test
11:08:44pm / 00:00:02.421 Pass
- TASK 4: Practice Form Test
11:08:47pm / 00:00:07.607 Pass
- TASK 5: Handle Alerts
11:08:55pm / 00:00:10.303 Pass
- TASK 5: Frames Handling
11:09:05pm / 00:00:08.562 Pass
- TASK 5: Windows & Tabs Handling
11:09:14pm / 00:00:07.141 Pass

MAIN CONTENT

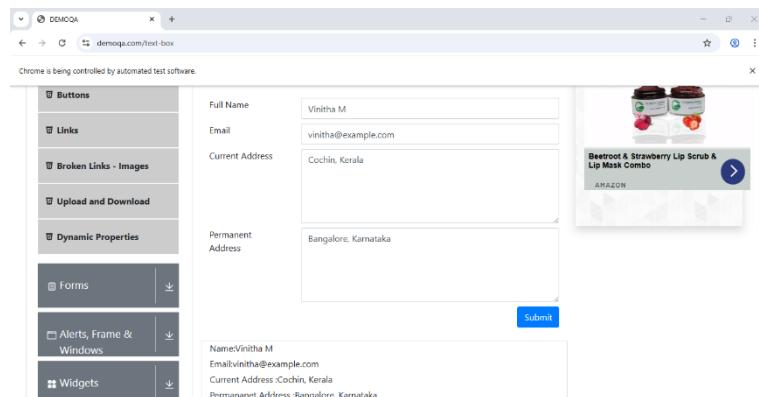
TEST	STATUS	TIMESTAMP	DETAILS
TASK 1: Verify Home Page Title	Pass	11:16:2025 11:08:09pm	11:16:2025 11:08:22pm 00:00:12.956 #test-id=1
TASK 2: Verify Text Box Form	Pass	11:16:2025 11:08:22pm	Home page title verified successfully.
TASK 3: Checkbox Test	Pass		
TASK 3: Radio Button Test	Pass		
TASK 4: Practice Form Test	Pass		
TASK 5: Handle Alerts	Pass		
TASK 5: Frames Handling	Pass		
TASK 5: Windows & Tabs Handling	Pass		
TASK 6: Upload & Download	Pass	11:09:21 pm / 00:00:03:072	
TASK 7: Data Driven Test - user@gmail.com	Pass	11:09:24 pm / 00:00:00:000	
TASK 7: Data Driven Test - testuser@gmail.com	Pass	11:09:24 pm / 00:00:00:000	
TASK 7: Data Driven Test - user3@example.com	Pass	11:09:24 pm / 00:00:00:000	

Screenshots

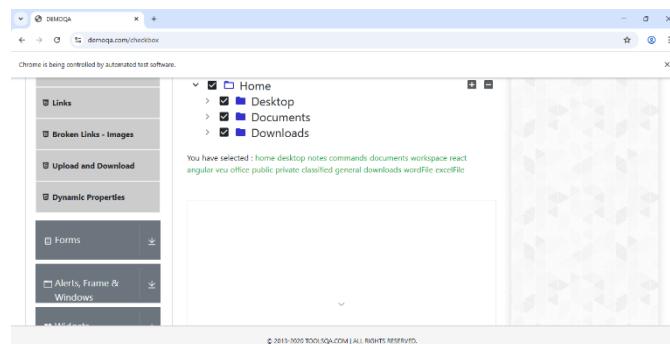
Task1_HomePageTitle



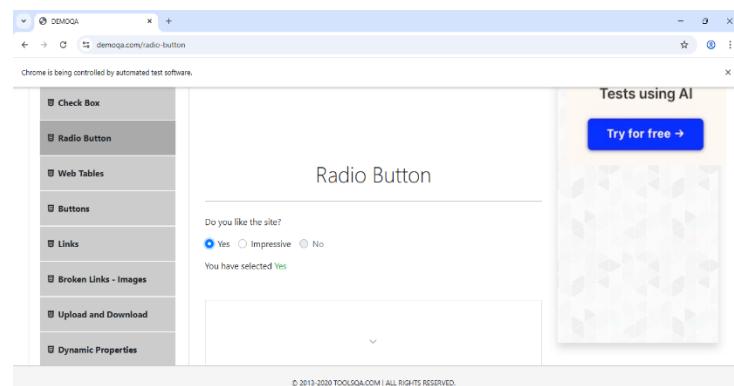
Task2_TextBoxForm



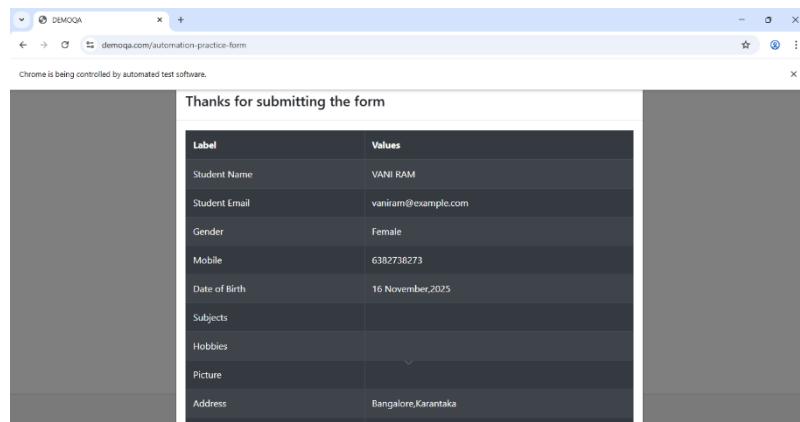
Task3_Checkbox



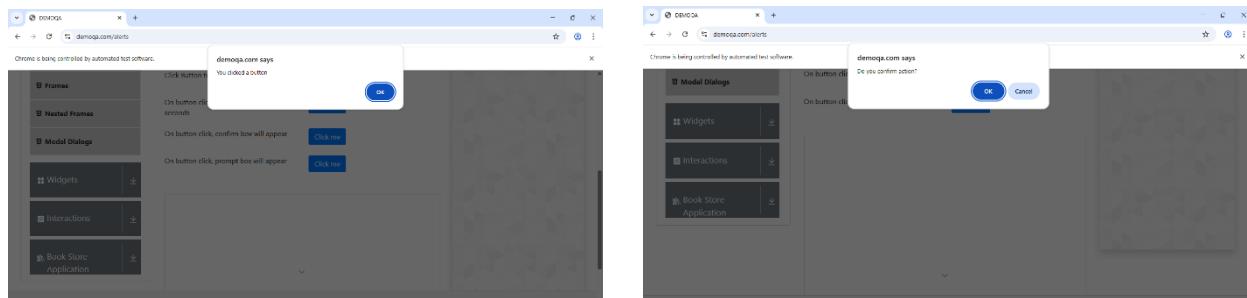
Task3_RadioButton

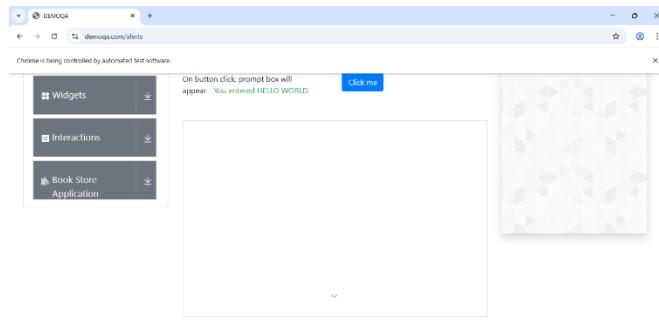


Task4_PracticeFormConfirmation

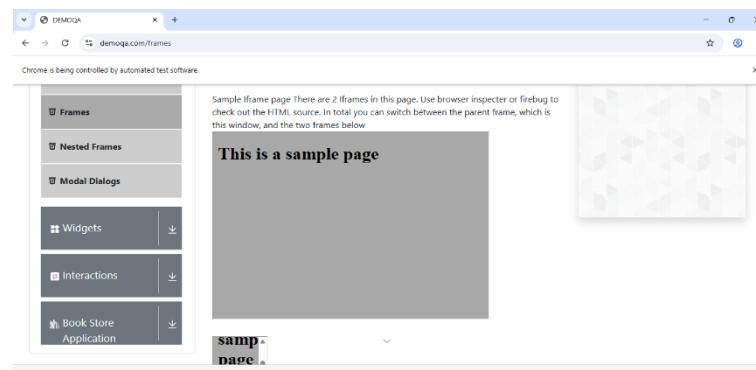


Task5_Alerts.png

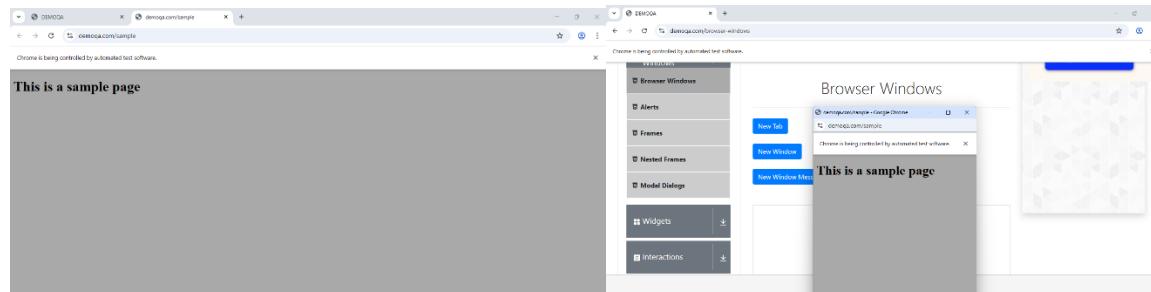




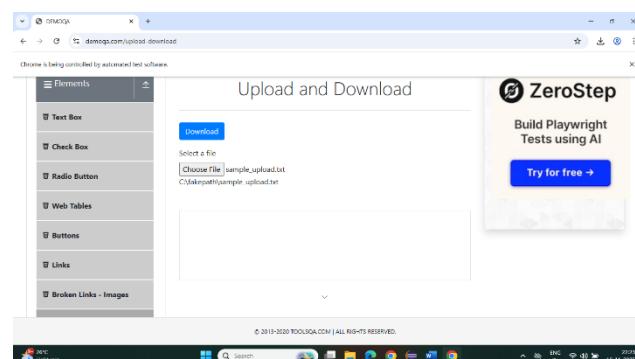
Task5_Frames.png



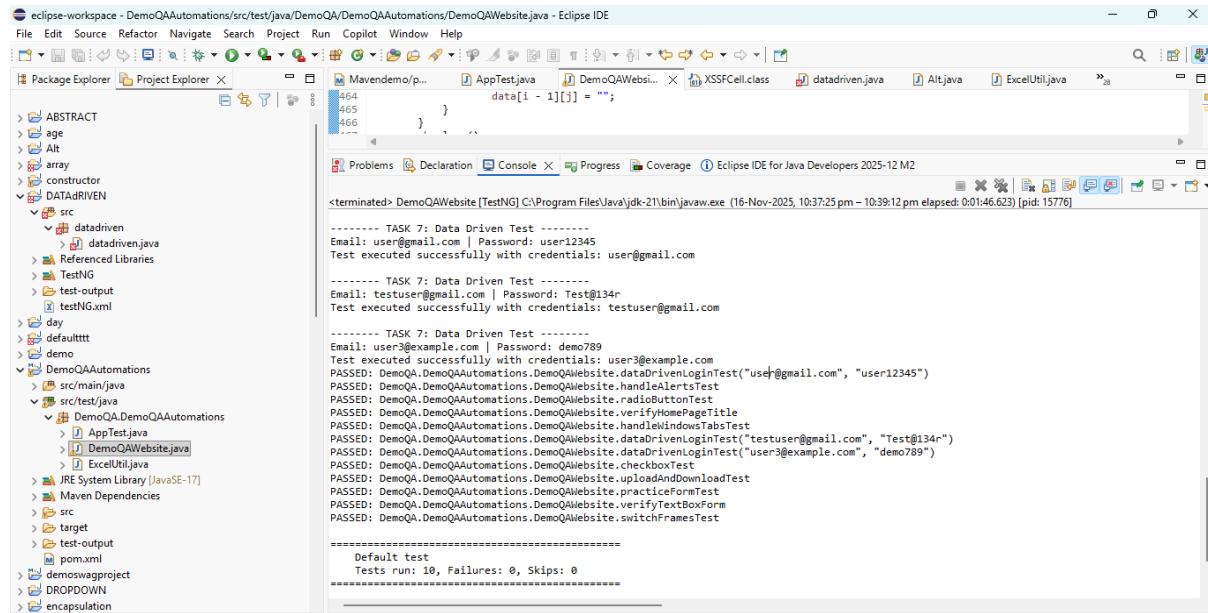
Task5_WindowsTabs.png



Task6_UploadDownload.png



Task7_DataDrivenTest.png



Overview

All modules executed successfully with valid assertions and output verification.

Data from Excel was used for form filling and parameterized testing.

Extent Report provided detailed results with pass/fail status and execution logs.

The framework followed a modular approach for clarity and maintainability.

Conclusion:

The DemoQA automation project was executed successfully.

All tests passed, reports were generated, and the overall framework met the expected objectives.

Submitted by:

Vinitha M

Date:16-11-2025