

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*

PracticeFormConfirmation.png

Choose File | No file chosen

Thanks for submitting the form

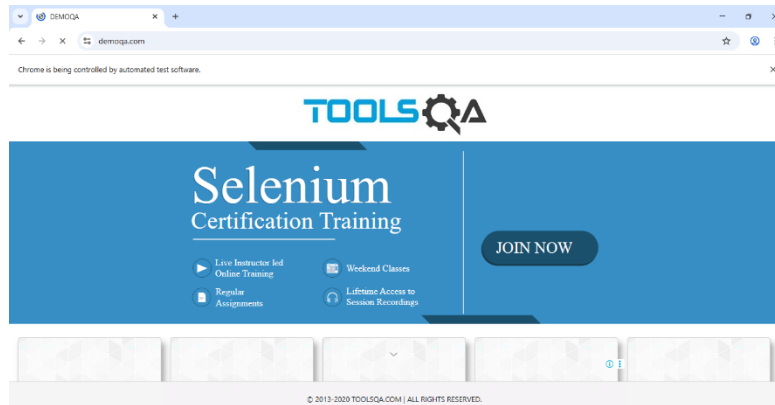
Label	Values
Student Name	VANI RAM
Student Email	vaniram@example.com
Gender	Female
Mobile	6382738273
Date of Birth	16 November,2025
Subjects	
Hobbies	✓
Picture	
Address	Bangalore,Karantaka

- HTML Report: *DemoQA_TestReport.html*

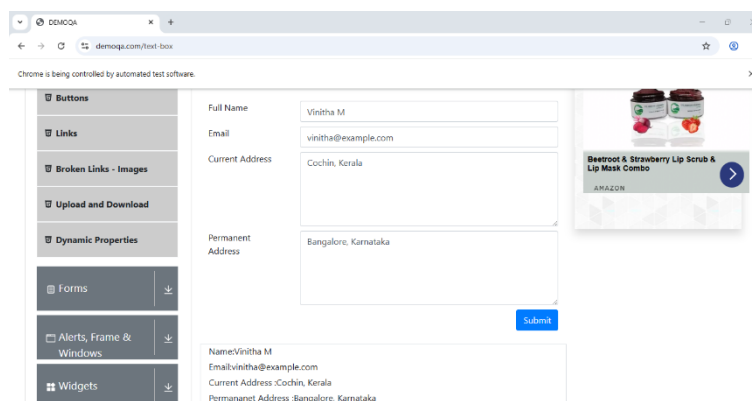
C:\Users\admin\Desktop\DemoQA_TestReport.html		
Search...		
Tests		
TASK 1: Verify Home Page Title 11:08:09 pm / 00:00:12:956	Pass	TASK 1: Verify Home Page Title 11.16.2025 11:08:09 pm 11.16.2025 11:08:22 pm 00:00:12:956 #test-id=1
TASK 2: Verify Text Box Form 11:08:22 pm / 00:00:18:439	Pass	STATUS TIMESTAMP DETAILS
TASK 3: Checkbox Test 11:08:40 pm / 00:00:03:932	Pass	Pass 11:08:22 pm Home page title verified successfully.
TASK 3: Radio Button Test 11:08:44 pm / 00:00:02:421	Pass	
TASK 4: Practice Form Test 11:08:47 pm / 00:00:07:607	Pass	
TASK 5: Handle Alerts 11:08:55 pm / 00:00:10:303	Pass	
TASK 5: Frames Handling 11:09:05 pm / 00:00:08:562	Pass	
TASK 5: Windows & Tabs Handling 11:09:14 pm / 00:00:07:141	Pass	
TASK 6: Upload & Download 11:09:21 pm / 00:00:03:072	Pass	
TASK 7: Data Driven Test - user@gmail.com 11:09:24 pm / 00:00:00:000	Pass	
TASK 7: Data Driven Test - testuser@gmail.com 11:09:24 pm / 00:00:00:000	Pass	
TASK 7: Data Driven Test - user3@example.com 11:09:24 pm / 00:00:00:000	Pass	

Screenshots

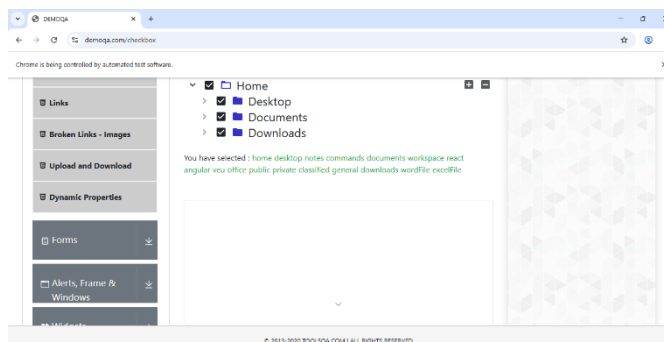
Task1_HomePageTitle



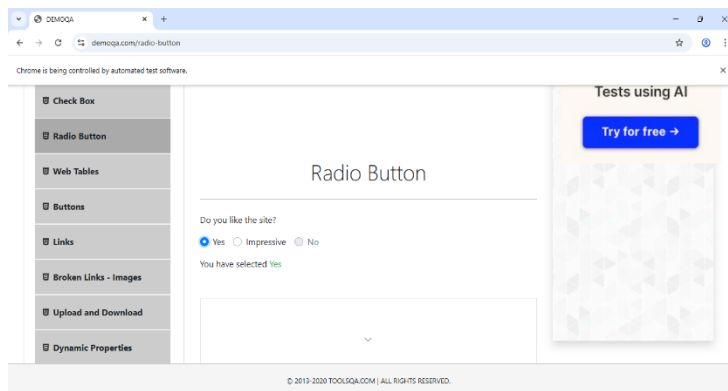
Task2_TextBoxForm



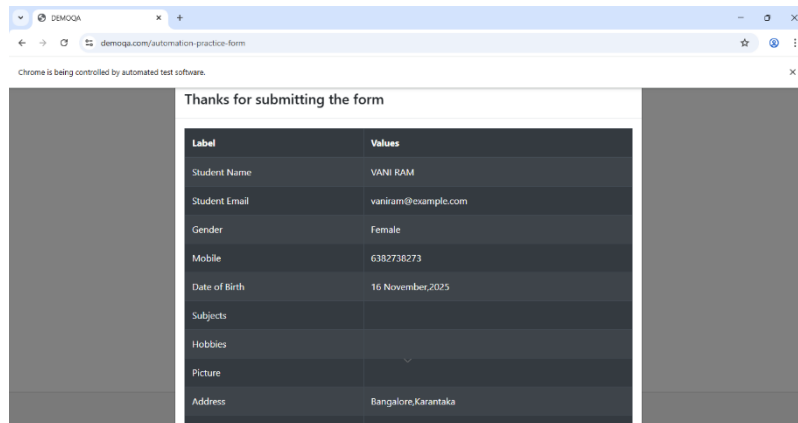
Task3_Checkbox



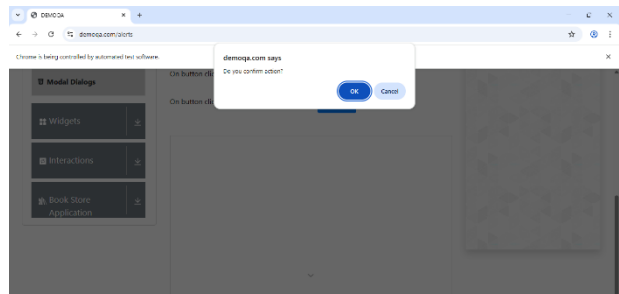
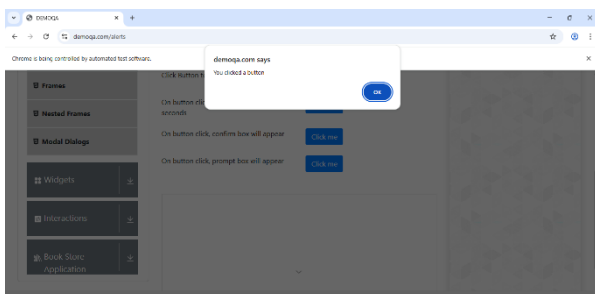
Task3_RadioButton

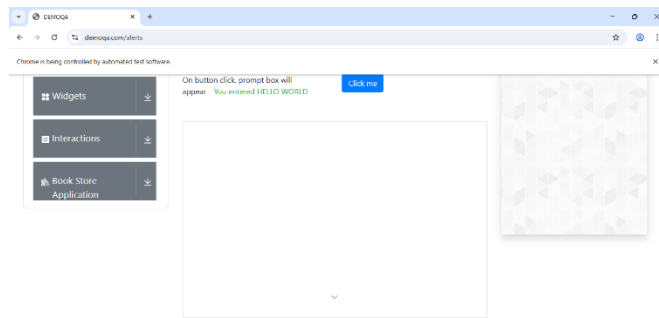


Task4_PracticeFormConfirmation



Task5_Alerts.png

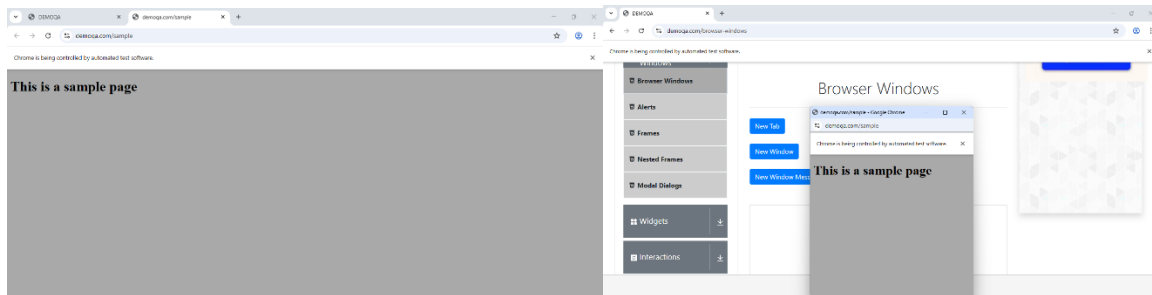




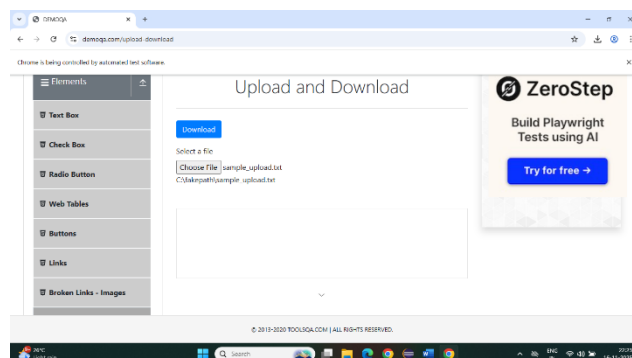
Task5_Frames.png



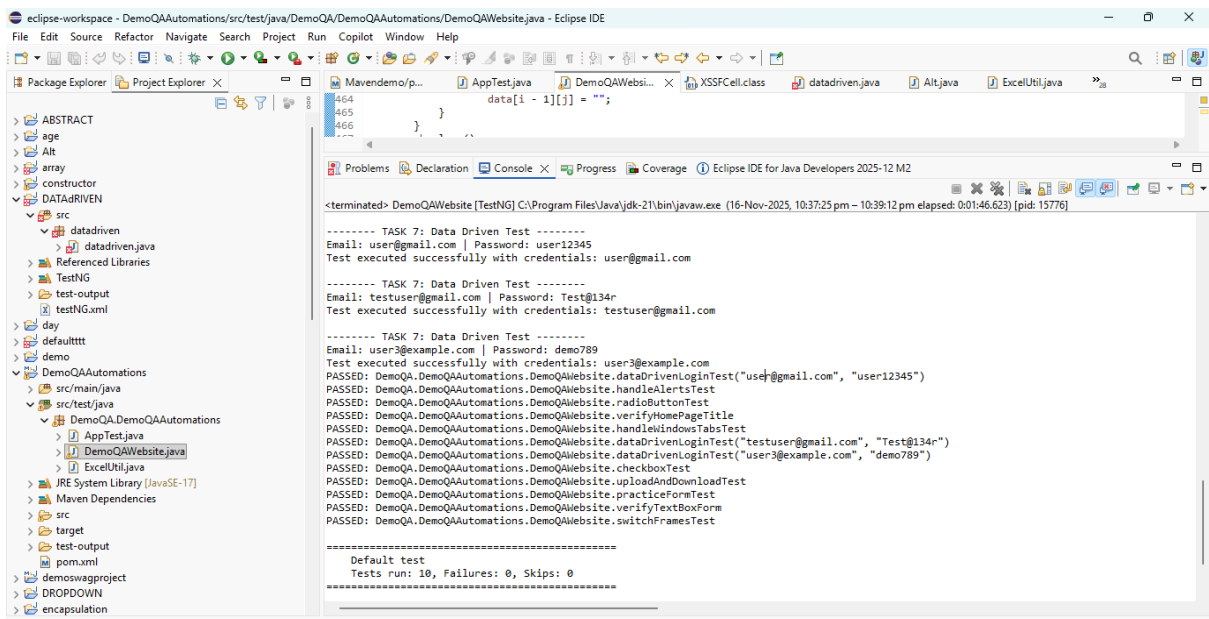
Task5_WindowsTabs.png



Task6_UploadDownload.png



Task7_DataDrivenTest.png



The screenshot shows the Eclipse IDE interface. The Package Explorer on the left displays a project structure with a 'src' folder containing 'datadriven', 'TestNG', and 'test-output' subfolders. The main editor window shows a Java file 'DemoQAWebsite.java' with a snippet of code: `data[i - 1][j] = "";`. The Console window at the bottom displays the output of a TestNG test run. The output indicates that the test was executed successfully with credentials: user@gmail.com. It also shows a list of test cases that passed, including 'DemoQA.DemoQAAutomations.DemoQAWebsite.dataDrivenLoginTest' and 'DemoQA.DemoQAAutomations.DemoQAWebsite.verifyHomePageTitle'. The final summary shows 'Default test' with 'Tests run: 10, Failures: 0, Skips: 0'.

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:
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Date:16-11-2025