

# QA Automation Test

## March 2021

Version: 1.0  
meshMD Inc

## 1. Requirements:

- 1.1. Portal URL - <https://qatest-28flsd5.meshmd.com/SignIn?r=%2F>  
(The portal provided is a health-care domain portal which is used by physicians to enrol patients. The portal allows the registered users to login and allows physicians to self-register.)
- 1.2. Java (latest version)
- 1.3. Eclipse
- 1.4. Chrome Driver (compatible with the Chrome browser)
- 1.5. Selenium (latest version), Excel and TestNG jars(latest version)/ dependencies.
- 1.6. MS Excel
- 1.7. Google Chrome Browser - the closer to the latest version, the better.
- 1.8. Test data to be created by the candidate in MS Excel

## 2. Questions

- 2.1. Validate all the links and buttons on the landing page of the portal provided.  
(URL: <https://qatest-28flsd5.meshmd.com/SignIn?r=%2F>)

Tasks:

1. Create test cases in Excel: Create manual test cases with **test steps** that include 'test action' and brief 'expected result' for the corresponding test action. The test steps are to be created in MS Excel/ Google Sheets.

Step #	Test Action	Expected Results	Notes	Status (Pass/Fail)

2. Create the framework for Automating the test cases:
3. Identify Web elements from the portal: The candidate is expected to identify all the relevant and required web elements from the portal.
4. Automate the test cases:
5. Execute the test cases:
6. Capture the results (Status: Pass/ Fail) in Excel against each test step.

- 2.2. Create an Excel data sheet and fetch these details from the excel sheet to register a physician to the portal. **In one of the textboxes, pass data without using sendKeys() method.**

Tasks:

1. Create test cases in Excel
2. Create a TestNG test case.
3. Identify Web elements from the portal
4. Automate the test cases, satisfying the conditions mentioned in the question 2.2
5. Execute the test cases
6. Capture the results (Status: Pass/ Fail) along with proof (screenshot) in MS Excel against each test step.

- 2.3. Validate all the fields in the registration form for alphanumeric and valid formats. **Using a regular expression**, validate the patient email address during the registration in the portal. Example: [test-test@gmail.gc.ca](mailto:test-test@gmail.gc.ca) / [test.test@yahoo-test.gc.ca](mailto:test.test@yahoo-test.gc.ca) and also use Calendar function to select the Date of birth field. Results must have screenshots of all the valid and invalid inputs used to validate each field.

Tasks:

1. Create test cases in Excel
2. Create a TestNG test case.
3. Identify Web elements from the portal
4. Automate the test cases, satisfying the conditions mentioned in the question 2.3
5. Execute the test cases
6. Capture the results (Status: Pass/ Fail) along with proof (screenshot) in MS Excel against each test step.