Targeted\_web\_page:

<https://qa-automation-practice.netlify.app/>

Test scenarios:

1. Smoke testing (make sure that the page can be accessed)
2. “X”, Home and Contact buttons should work and each should open a different area/section of the page
3. Welcome screen should be clear, readable, visible on the page when finishes loading.
4. Each “CLICK HERE” link should be functional and open a different page

**Functional tests:**

1. Make the browser window on full screen
2. Click on each button 🡪 each button should work as expected and expand it’s selection
3. After 1st section is expanded, click on each button. Do this for the rest of the sections
4. Take each section and test the options inside of it (**ONLY FUNCTIONAL TESTS!)**
   1. FORMS
      1. Login
      2. Register
      3. Recover password
   2. BUTTONS
      1. Checkboxes
      2. Radio buttons
   3. NEW TAB/WINDOW
      1. New Browser Tab
      2. New Browser Window
   4. ACTIONS
      1. Double click button
      2. Scrolling
      3. Mouse Hover
      4. Show / Hide element
   5. DROPDOWNS
      1. Select country from the list and press Dropdown button
      2. Run the test above for each country
   6. IFRAMES
      1. Click each tab from this section
      2. Verify each text from each tab
      3. Press each button from each tab. The name from each button should be the same
   7. ALERTS
      1. Press each button. Check if pop-up appear
      2. Press ech button present on pop-up
      3. Check each button name is spelled correct on each pop-up
   8. FILE UPLOAD
      1. Check if spelling is correct
      2. Click each button and see the result
   9. TABLES
      1. Check each name if corresponds with the correct “#” number
      2. Check if First, Last and Email columns are present
      3. Check if each column has the first letter capital
      4. Check if each First name starts with capital letter
      5. Check if each Last name starts with capital letter
      6. Check if each email is with lower letter
      7. Check if each email has “@” character and dot “.” Inside of the address
      8. – Ma gandesc sa fac un regex aici dar ramane de gandit si analizat --
   10. DATE PICKERS
       1. Check if spelling is correct
       2. Check if after pressing the targeted date, a pop-up with calendar appears
       3. Try to change the dates
   11. LOADER
       1. After clicking it, wait few seconds to check if text appears and text is correct
   12. PAGINATION
       1. Click each button from this section and check if it’s correct
       2. Each page number, after you click on it it should display the correct page number that you selected

**Non-functional tests:**

1. Take each section with dropdown menu and run the following tests:
   1. **FORMS 🡪 REGISTER**
      1. All fields should have an asterix (mandatory field to be completed)
      2. Leave one field not completed, after two fields after three fields, after four fields and after five fields
      3. Leave unchecked “I agree terms”
      4. Each field testing:
         1. **FIRST NAME**
            1. Complete with lower case characters and click Register
            2. Complete with upper case characters and click Register
            3. Complete with numeric character and click Register
            4. Complete with alphanumeric characters and click Register
         2. **LAST NAME**
            1. Complete with lower case characters and click Register
            2. Complete with upper case characters and click Register
            3. Complete with numeric character and click Register
            4. Complete with alphanumeric characters and click Register
         3. **PHONE NUMER**
            1. Complete the field with 9 digits and click Register
            2. Complete the field with 10 digits and click Register
            3. Complete the field with 15 digits and click Register
            4. Complete the field with 100 digits and click Register
            5. Complete the field with alphabetic letters and click Register
            6. Complete the field with alphanumeric letters and click Register
         4. **EMAIL ADDRESS**
            1. Input email with no “@”
            2. Input email with no “.”
            3. Input email containing only numbers
            4. Input email with uppercase letters
            5. Input email with wrong domain
            6. Input email with special characters instead of letters
            7. Write email address with 50 characters and check if it works
         5. **PASSWORD (**Psw length validation: [6,20] characters)
            1. Input password with 4 characters
            2. Input password with 15 characters
            3. Input password with 20 characters
            4. Input password with 21 characters
            5. Input password containing only numbers and 4 numbers
            6. Input password containing only numbers and 15 numbers
            7. Input password containing only numbers and 20 numbers
            8. Input password containing only numbers and 21 numbers
      5. Complete all the fields with valid data and finally leave unchecked I agree terms button and press Register. It should throw error
      6. After successfully registrating, check if each field present on the page is equal with the output generated and the input on the fields are equal with the outputs
   2. **FORMS** 🡪 **LOGIN** (Use the register credentials, or use 'admin@admin.com' with the psw 'admin123'.)
      1. Input invalid email but valid password
      2. Input invalid password but valid email
      3. Input email and password invalid
      4. Input ONLY email
      5. Input ONLY password
      6. Leave input empty and click Submit button
   3. **FORMS** 🡪 **RECOVER** **PASSWORD**
      1. Input email with no “@” and press button
      2. Input email with no “@” and “.” and press button
      3. Input empty email and press button
      4. Input email containing only numbers and press button
      5. Input email with no domain and press button
   4. **SHOP E-COMMERCE** (Please **use** Email: admin@admin.com  
      Password: admin123)
      1. Input email with no “@”
      2. Input email with no “.”
      3. Input email containing only numbers
      4. Input email with uppercase letters
      5. Input email with wrong domain
      6. Input email with special characters instead of letters
      7. Write email address with 50 characters and check if it works
      8. **INPUT VALID DATA and continue testing on the opened page**
         1. Press Proceed to Checkout. It should throw error with no product in the cart
         2. Add each product to the cart and check if it’s correct with the product chosen and after remove the product from the cart
         3. Add all products to the cart and check the total money. It should be equal with each product summed together
         4. Check if the quantity number entered reflects the total sum
         5. Add product to cart and check if the name is same as the product
         6. Add one product to cart – proceed to checkout – all fields should be marked with an asterix, all fields are mandatory, insert invalid data to fields. It must throw error when detecting invalid data

**COMPATIBILITY TESTING**

* Open webpage on different browsers
* Run all the tests above on different browsers

PRE-REQUIEREMENTS:

* Sleep time variable (5,10,15 seconds)
* Each section must have a folder containing the same name
* All tests must have test\_\*.py extension
* Python 3.7.x or above version installed
* Pytest library installed correctly
* Internet connection
* Each folder from each section must have the report of the tests executed as a HTML page
* GIT-hub repo created for this project and each day/run of the tests must have PUSH/PULL requests from/to github
* Each test must have a short summary
* Excel document to store all the tests