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LEARN AUTOMATED TESTING

Fundamentals of Automated Testing

Class Project

By Qambar Raza (@QambarRaza)

Class Project

Write an automated test to validate the search functionality of QambarRaza.com



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Step 1

Answer the following question

What are you testing ?

Write the answer to this in the comments section of the video



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Step 2

Answer the following question

On what software test level should you write this test ?

Write the answer to this in the comments section of the video



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Step 3

Implementation

Following tutorial will guide you how to write and run the test



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Setup Test Environment

- Install Node Package Manager by visiting <https://www.npmjs.com/get-npm>
- Create a new folder called `myfirsttest` on your computer
- Open the terminal and go to that folder
- Now run the following command in that folder to install Cypress

```
npm install cypress --save-dev
```

Then run the following, to create cypress folder structure

```
npx cypress open
```

Hint: Refer to my video "Writing your first test" on skillshare if you are having problems.

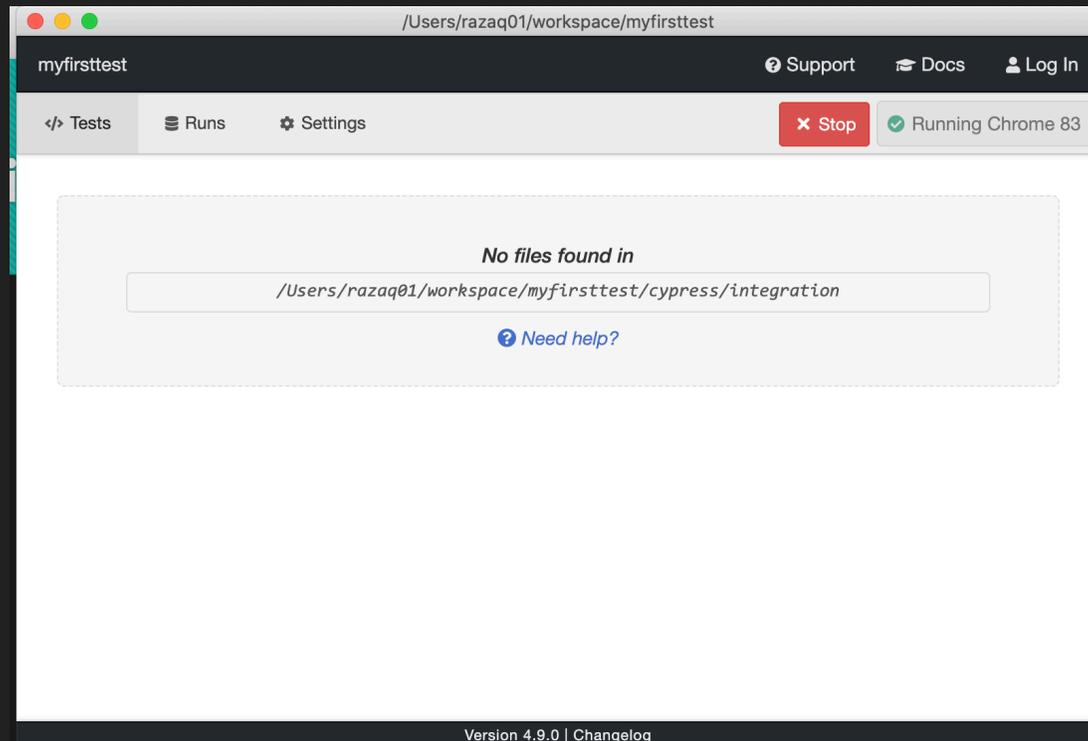


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Verify environment setup

Now, ensure that you can see the following popup.



Hint: Refer to my video "Writing your first test" on skillshare if you are having problems.

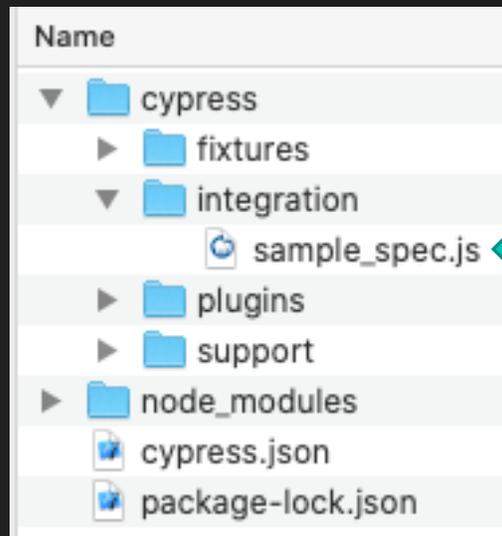


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Writing your first test – Part 1

- Create a new file under cypress -> integration called sample_spec.js



Hint: Refer to my video “Writing your first test” on skillshare if you are having problems.



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Writing your first test – Part 2

- Put the following code into the sample_spec.js

```
describe('Test search box in QambarRaza.com', () => {  
  it('Verifies search results text on QambarRaza.com', () => {  
    //Visit the website  
    cy.visit('https://qambarraza.com/')  
    //Grab a search field and type "Automation" Text  
    cy.get('.search-field')  
      .type("Automation");  
    // Press submit button  
    cy.get('.search-submit')  
      .click();  
    // Assert that text "Search Results" is present  
    cy.contains('Search Results')  
  })  
})
```

Hint: Refer to my video “Writing your first test” on skillshare if you are having problems.



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Writing your first test – Part 3

- You should now see your test passing

The screenshot shows a Cypress test runner interface. On the left, the 'Tests' panel displays a single test with a green checkmark and the text '1 Test Passes'. The main area shows the browser output for a test titled 'Verify search results text on QambarRaza.com'. The output includes a 'contains' assertion that passes, with the text 'Search Results' visible in the browser. A teal arrow points from the 'contains' line in the output to the '1 Test Passes' indicator. Another teal arrow points from the 'Search Results' text in the browser output to the 'Found key word "Search Results"' text box. The browser window shows the website 'Qambar Raza' with a search bar and search results for 'Automation'.

Test Result Screen

Output Screen

Found key word "Search Results"

Hint: Refer to my video "Writing your first test" on skillshare if you are having problems.



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Thank You

- Try watching the videos again as there are many hints within the video itself
- Feel free to contact me on twitter @QambarRaza
- You can ask questions in the comments section of the videos.
- If you want one to one Zoom session, I am happy to arrange that for you, just email me at questions@qambarraza.com