

# Fundamentals of Automated Testing

Class Project

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# 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.



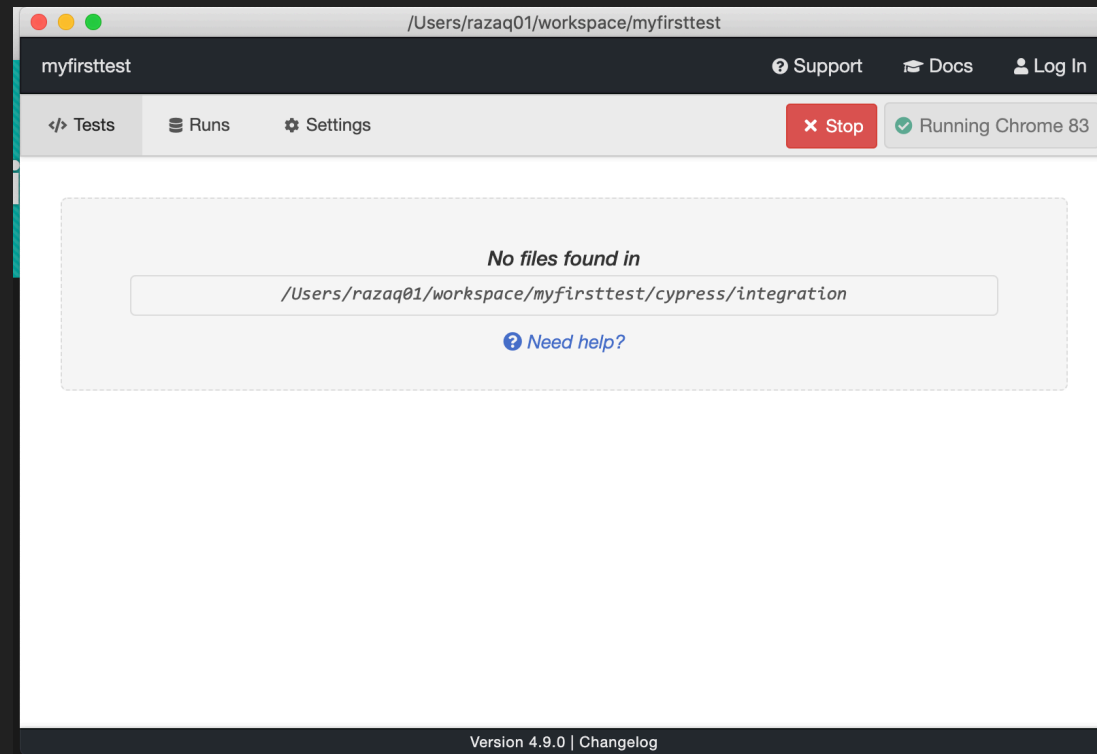
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# Verify environment setup

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.

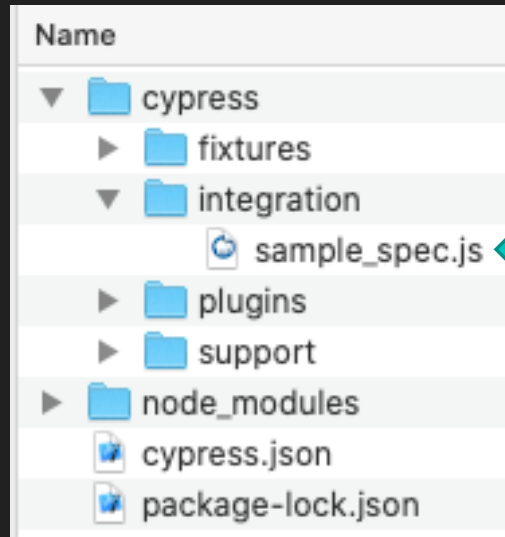


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# Writing your first test – Part 1

- 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.

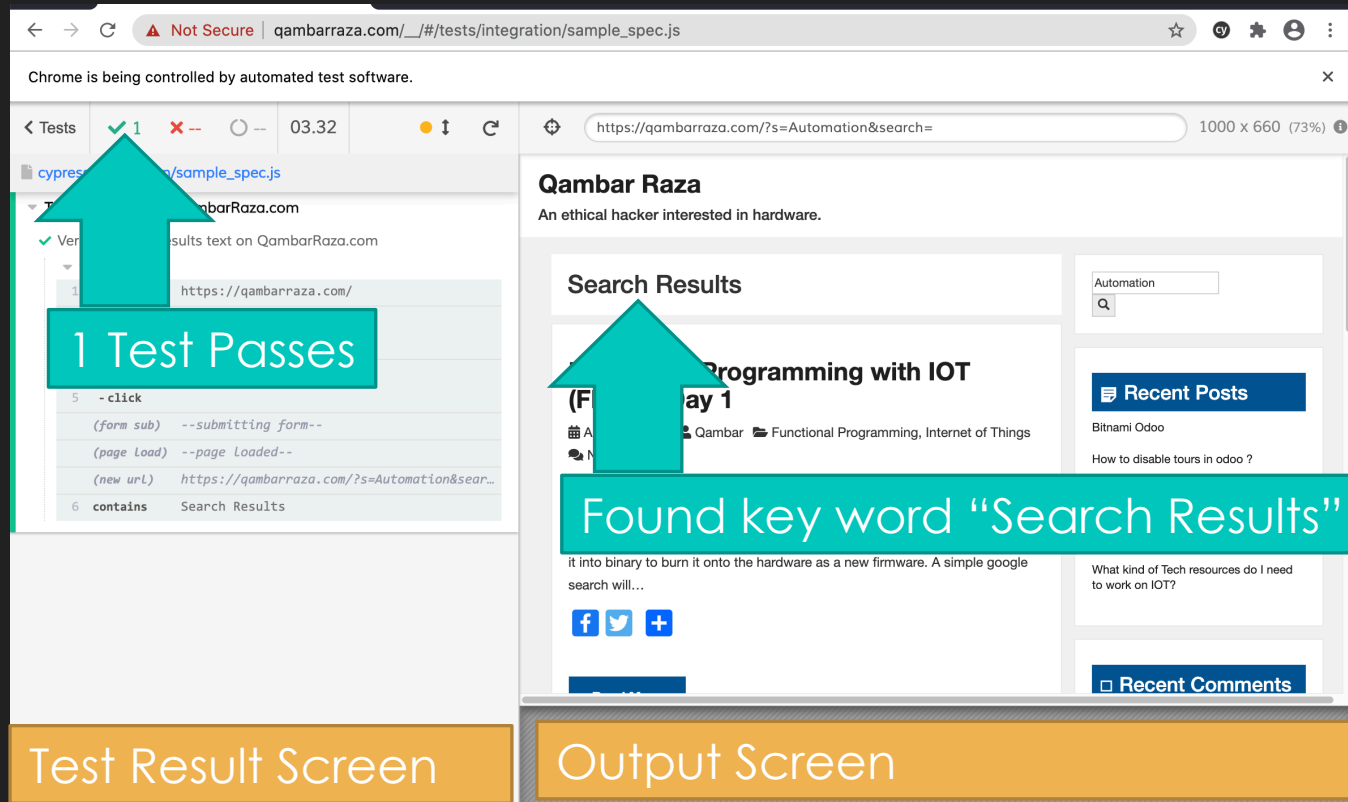


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# Writing your first test – Part 3

- You should now see your test passing



The image shows a Cypress test runner interface on the left and a browser window on the right. The Cypress runner shows a single test passing, indicated by a green checkmark and the text '1 Test Passes'. The browser window shows the output of the test, which is a search results page for 'Automation' on the website 'Qambar Raza'. A red arrow points from the Cypress runner to the browser window, highlighting the search results.

Test Result Screen

Output Screen

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](mailto:questions@qambarraza.com)