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capture

**1. Installation of Cypress**

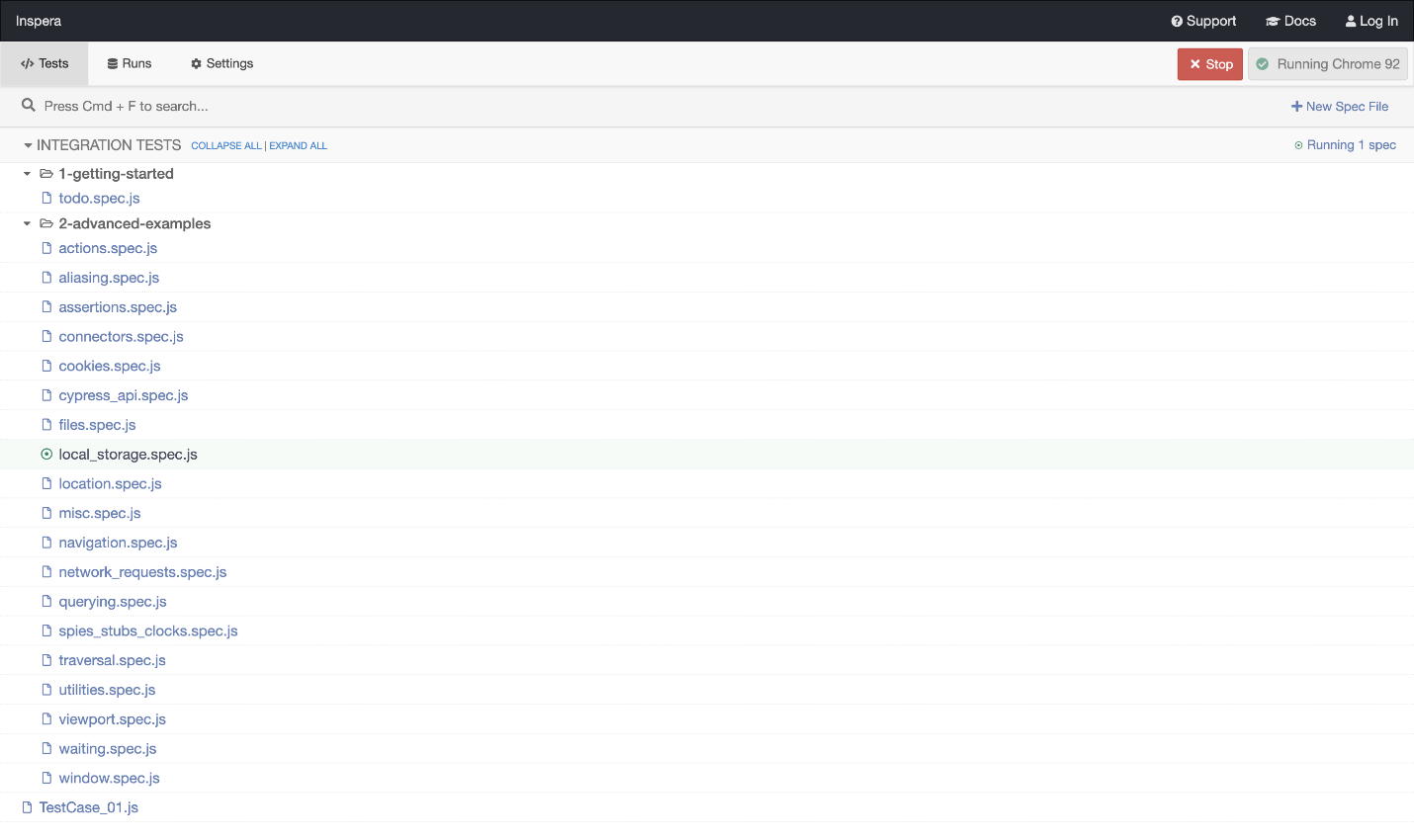
Cypress is a desktop application installed in the computer. Installation of Cypress can be done via npm.

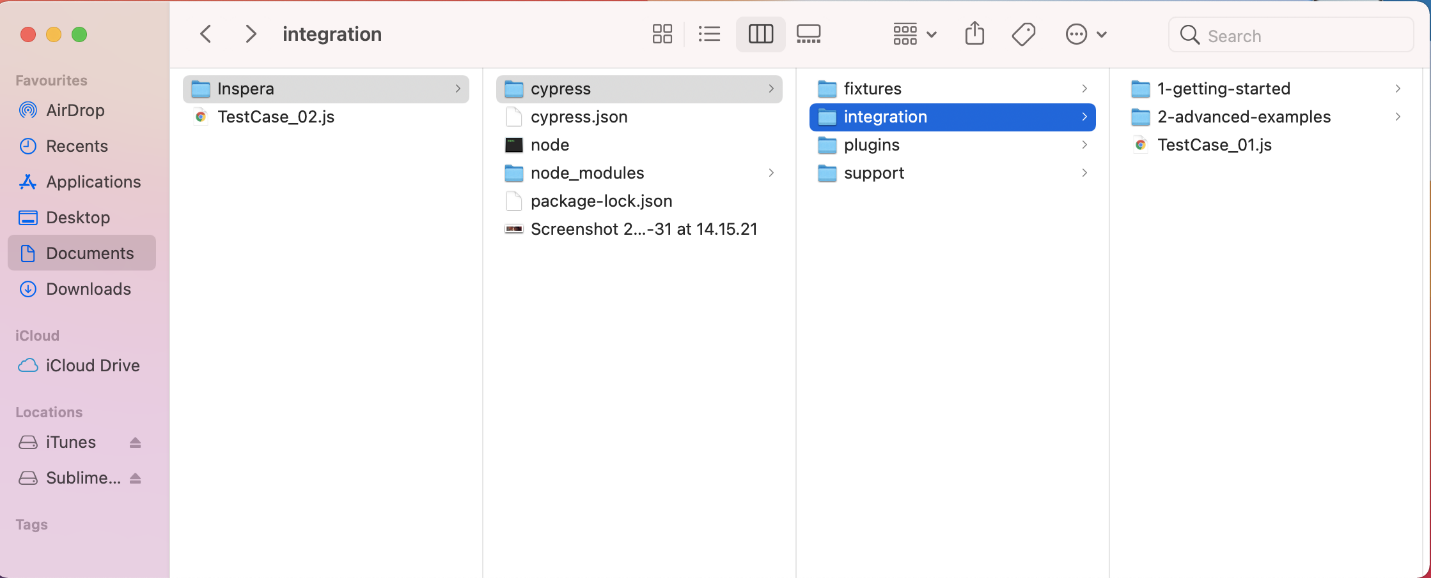
1. To install Cypress via npm we have to first install Node.js
2. <https://nodejs.org/en/download/> gives the latest version of Node.js.
3. The version for Node.js is 14.17.4 (includes npm 6.14.14)
4. After installation of Node.js we create a folder to install Cypress.
5. In windows we open the PowerShell or command prompt and go to the folder path.
6. Before we execute the installation command we run first the npm init command or have a node\_modules folder or package.json file in the root of our project as it ensures we have installed Cypress in the correct directory.
7. We type **npm init** in the command prompt and it lets us to create package.json file.
8. After typing yes it creates the package.json file.
9. Next we install Cypress. The version of the Cypress is 8.1.0
10. We type **npm install cypress –save—dev** in command prompt. This will install cypress with dev dependency needed for the project and update the package.json file.
11. After successful installation we open the Cypress application.

**./node\_modules/.bin/cypress open**

**Or**

**$(npm bin)/cypress open**

1. When the application options it looks like the below image: 
2. When we open the folder in the drive where we have installed cypress the folder structure looks like the below image:



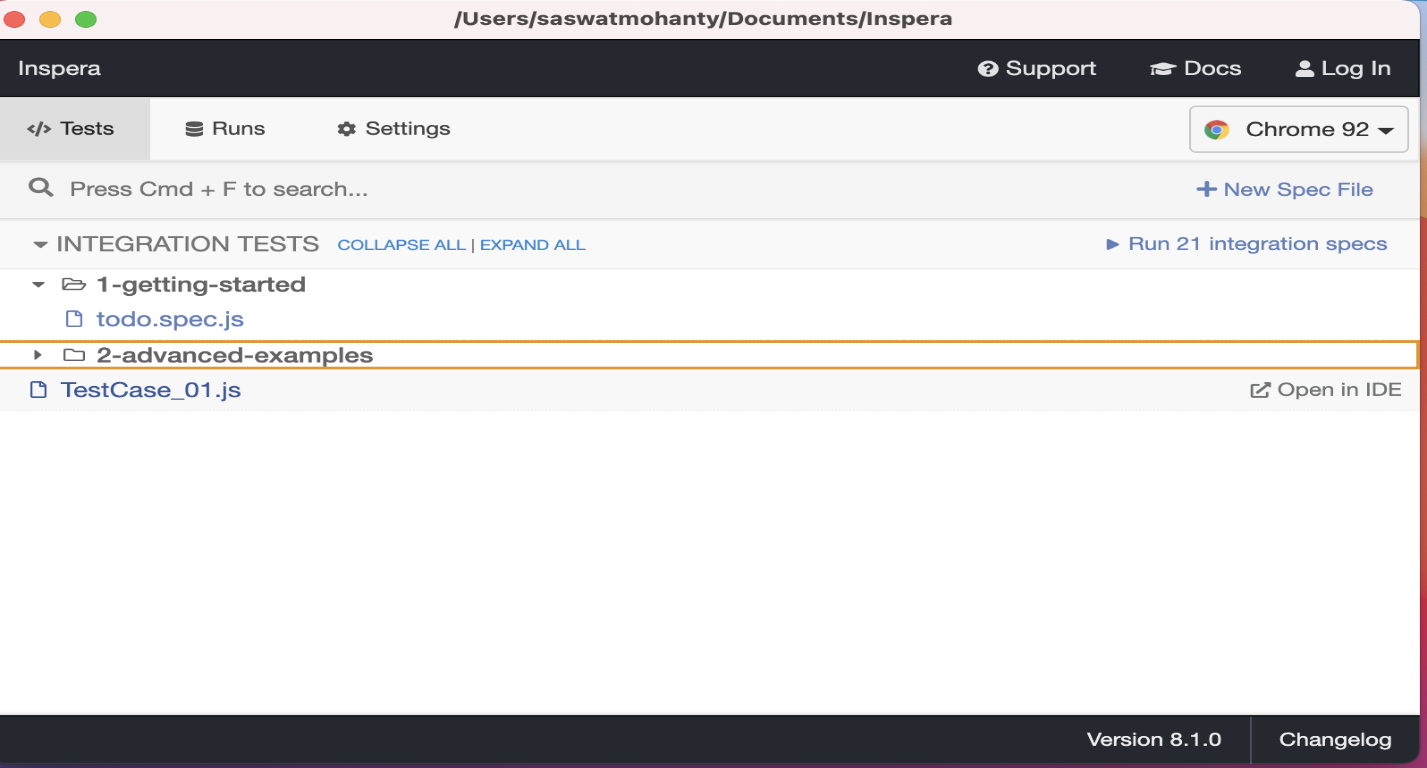
1. The test scripts that are written and run will be in the integration folder.

**2. Writing the Test Script**

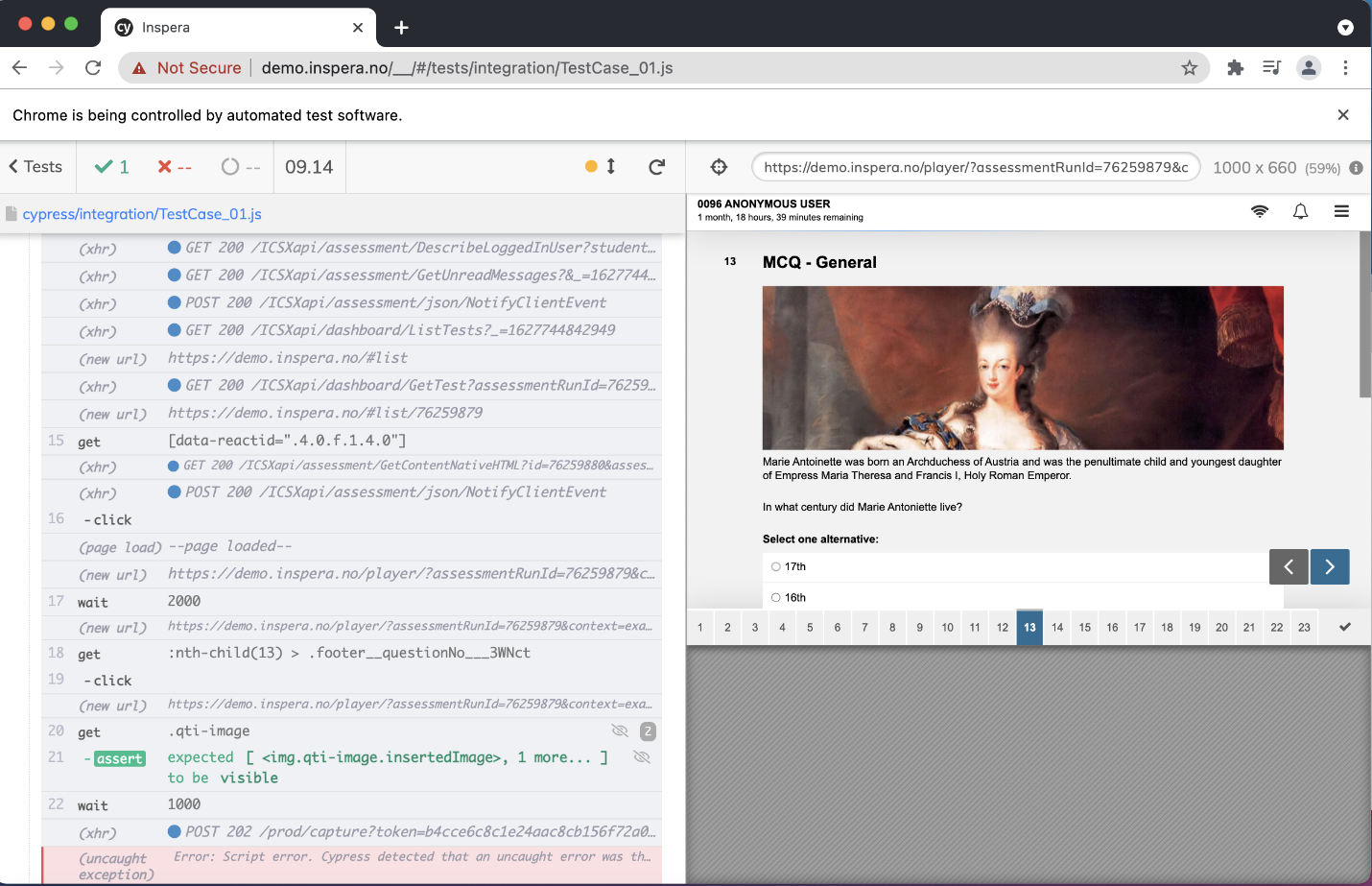
1. To write the test scripts we can use any text editor like Sublime Text, Visual Studio Code etc.
2. In this project Sublime Text version 3.2.2 is used as text editor.
3. After we open the editor we have to navigate to the Cypress installation folder and then to the integration folder.
4. We create JavaScript file with name TestCase\_01.js and the code for the test script is written in it.

**3. Running the Test Script**

1. After the test script is written in text editor we go to the Cypress app to test it.
2. In Cypress app we see the file with name TestCase\_01.js and to run it we click the file.



1. Cypress will automatically run the scenario or the test script in the browser directly.



**4. Additional Plugins and changes for screenshot capture**

**1**.npm install cypress-image-snapshot

**2**. Go to // cypress/plugins/index.js and add the following:

const {

addMatchImageSnapshotPlugin,

} = require('cypress-image-snapshot/plugin');

module.exports = (on, config) => {

addMatchImageSnapshotPlugin(on, config);

};

**3**.Go to // cypress/support/commands.js and add the following:

import { addMatchImageSnapshotCommand } from 'cypress-image-snapshot/command';

addMatchImageSnapshotCommand({

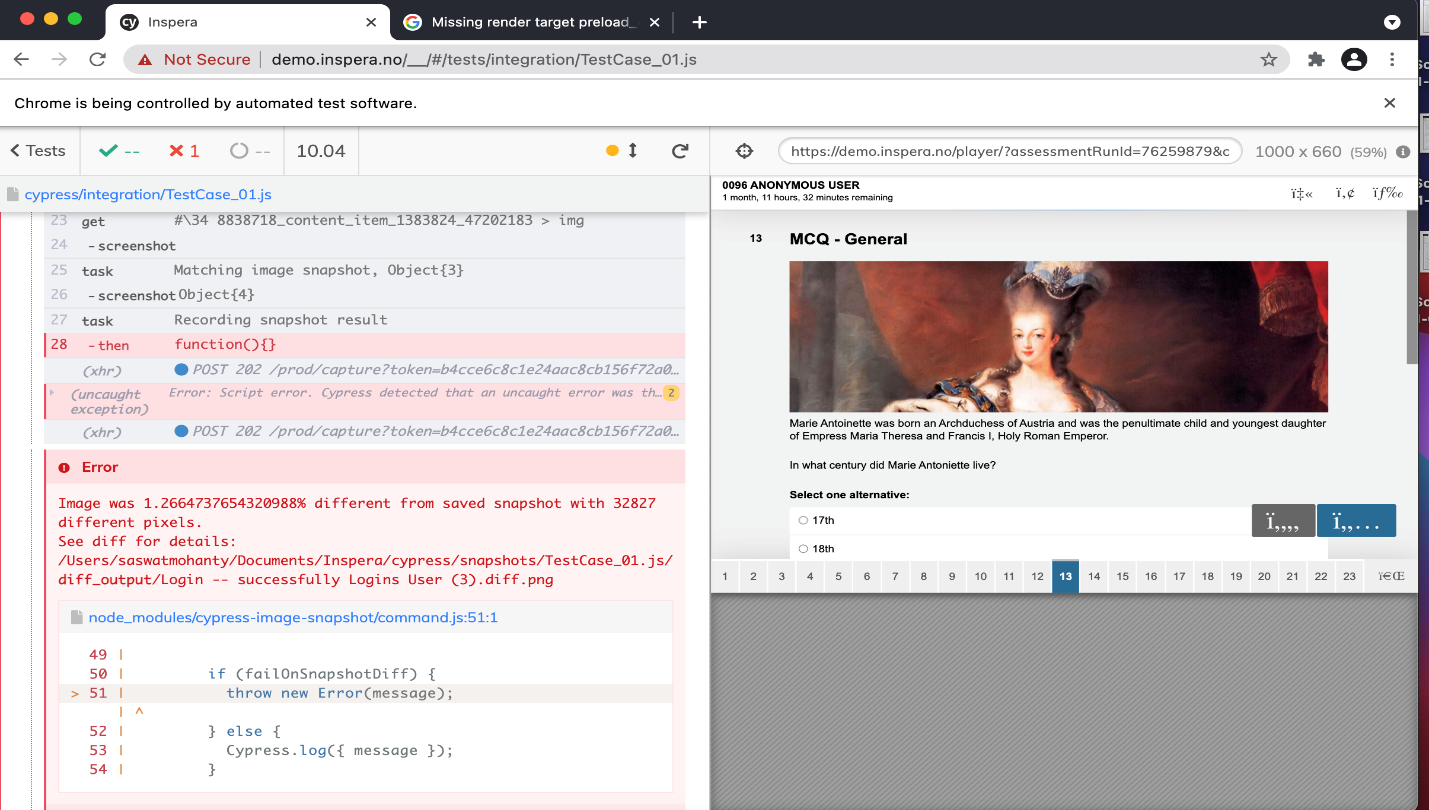
failureThreshold: 0.00,

failureThresholdType: 'percent',

customDiffConfig: { threshold: 0.0 },

});

Error shown as:



Passed assertion shown as:

