

CypressAutomation_Sprint_grid

Pre-Req

Sprint Grid App should be up and running locally on port number 4200 "<http://localhost:4200/>"

Dependencies required & instructions-

1. Install

node/ if already installed verify the version (The node version I have used is v16.13.0)
npm (The npm version I have used is 8.1.0)

2. Install cypress using the below command

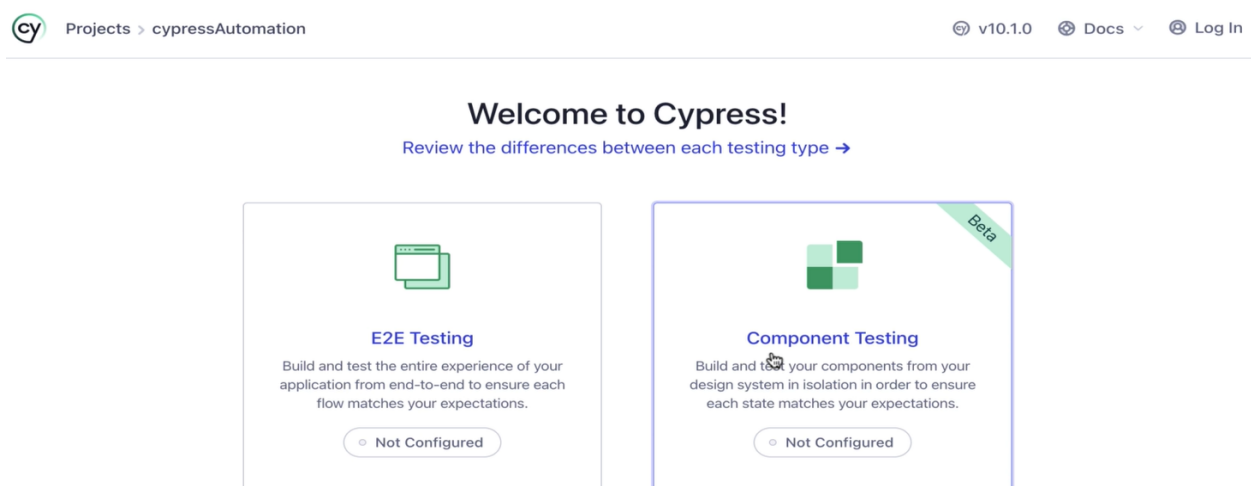
npm install cypress --save-dev
(The cypress version I have used is 12.4.1)

3. Clone/download the "CypressAutomation_Sprint_grid" project from github repo -
https://github.com/snehaprakas1h/CypressAutomation_Sprint_grid

4. Once the project is opened in VSCode run the below command-

node_modules/.bin/cypress open

5. Welcome to the cypress window opens and click on "E2E Testing".



6. On the next page, scroll below and press continue

Configuration Files

We added the following files to your project:

cypress.config.js
 The Cypress config file for E2E testing.

```

1  const { defineConfig } = require("cypress");
2
3  module.exports = defineConfig({
4    e2e: {
5      setupNodeEvents(on, config) {
6        // implement node event listeners here
7      },
8    },
9  });

```

Copy

cypress/support/e2e.js
 The support file that is bundled and loaded before each E2E spec.

```

1  // *****
2  // This example support/e2e.js is processed and
3  // loaded automatically before your test files.
4  //
5  // This is a great place to put global configuration and
6  // behavior that modifies Cypress.

```

7. On the Next page select chrome browser and click on “Start E2E Testing in Chrome”

Choose a Browser

Choose your preferred browser for E2E testing.

Chrome
 v102

Edge
 v102

Electron
 v100

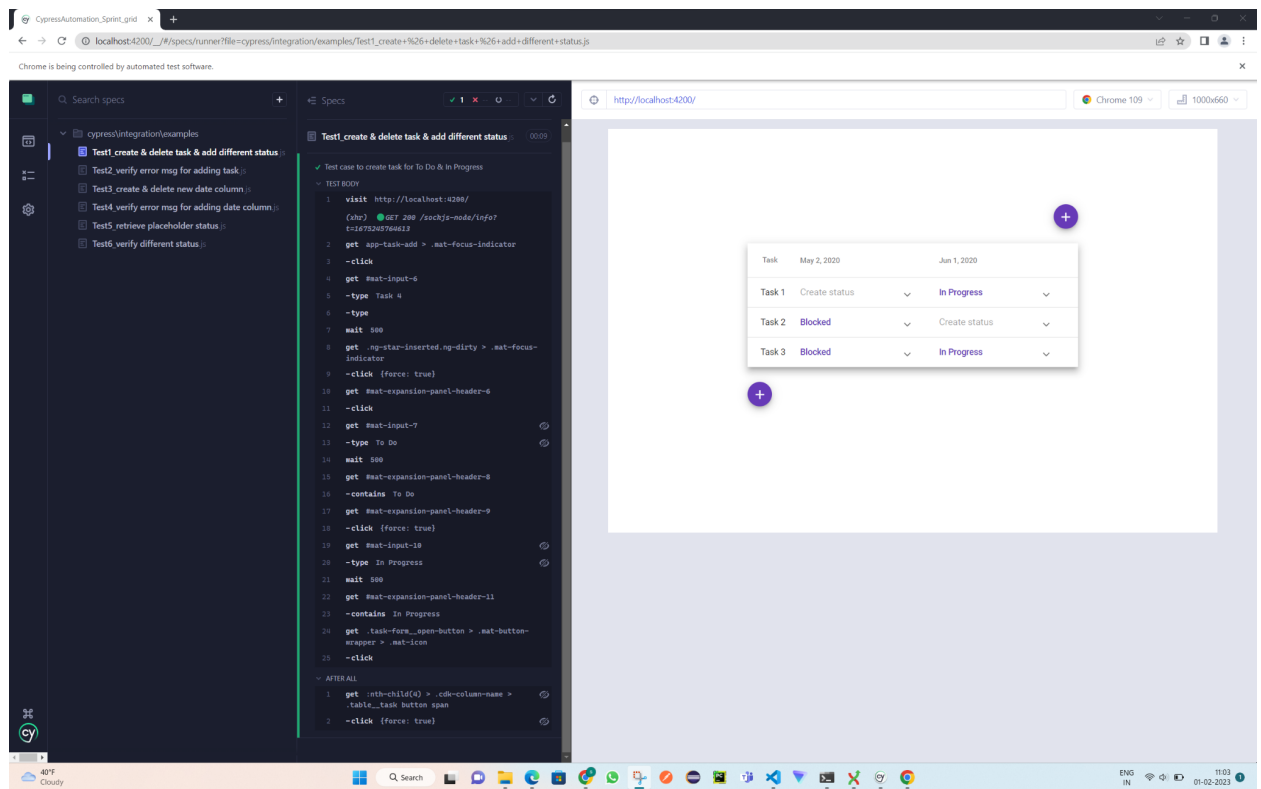
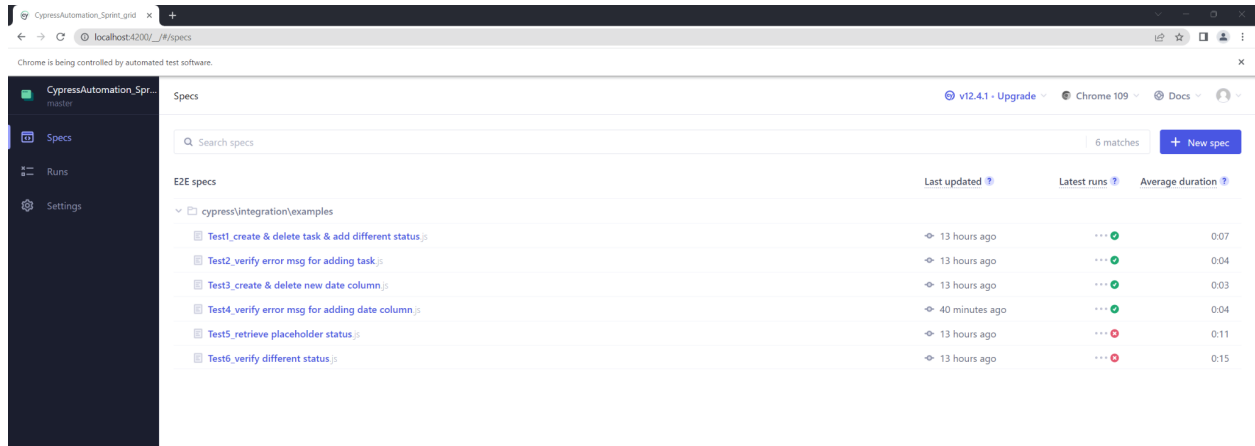
Firefox
 v99

Firefox Nightly
 v83

Start E2E Testing in Chrome

← Switch testing type

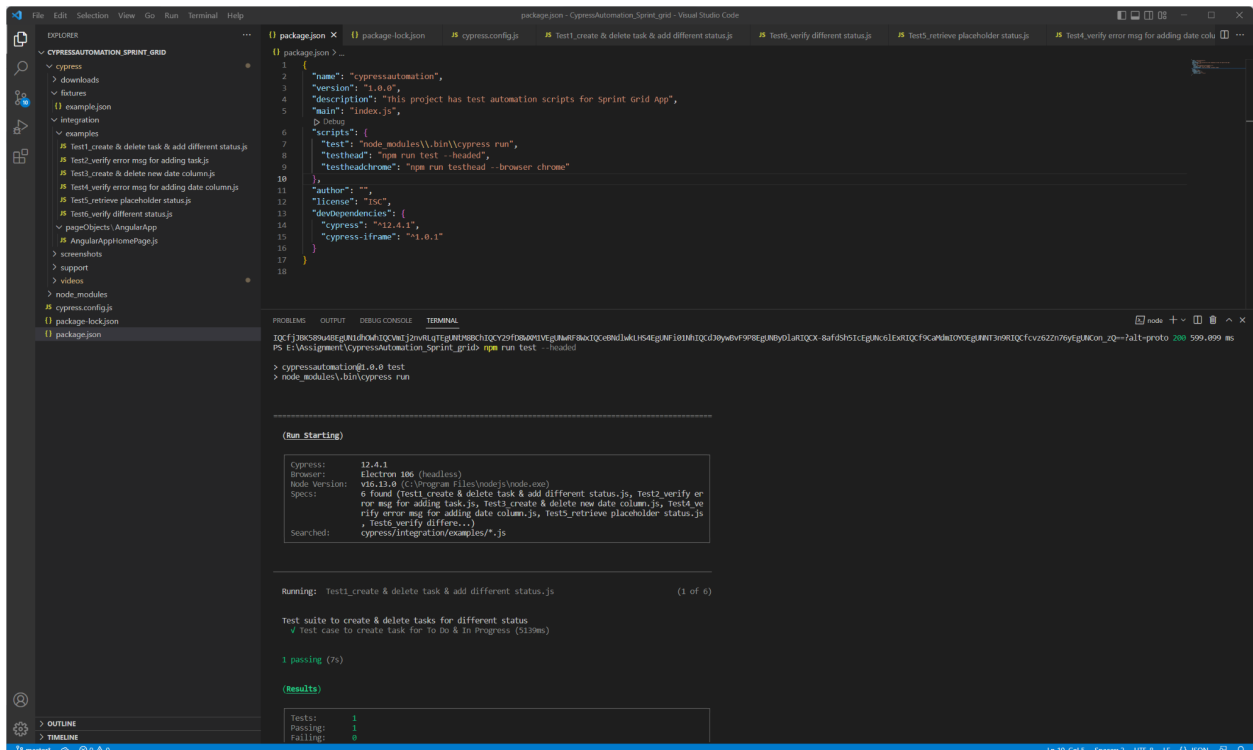
8. The below screen should appear, click on each test case individually and it will run all the test cases -



9.

10. If you want to run all test cases at once, go to vs code and give the below command

npm run test --headed



11. Post execution the test run videos and failed screenshots are captured/recorded in the project directory

File Edit Selection View Go Run Terminal Help

package.json - CypressAutomation_Sprint_grid - Visual Studio Code

EXPLORER

CYPRESSAUTOMATION_SPRINT_GRID

cypress

downloads

fixtures

example.json

integration

examples

Test1_create & delete task & add different status.js

Test2_verify error msg for adding task.js

Test3_create & delete new date column.js

Test4_verify error msg for adding date column.js

Test5_retrieve placeholder status.js

Test6_verify different status.js

pageObjects\AngularApp

AngularAppHomePage.js

screenshots

support

videos

node_modules

cypress.config.js

package-lock.json

package.json

package.json > ...

```
1 {
2   "name": "cypressautomation",
3   "version": "1.0.0",
4   "description": "This project has test automation scripts for Sprint Grid App",
5   "main": "index.js",
6   "scripts": {
7     "test": "node_modules\\.bin\\cypress run",
8     "testhead": "npm run test -- --headed",
9     "testheadchrome": "npm run testhead -- --browser chrome"
10  },
11   "author": "",
12   "license": "ISC",
13   "devDependencies": {
14     "cypress": "^12.4.1",
15     "cypress-iframe": "^1.0.1"
16  }
17 }
18
```

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

ferent status.js\\Test suite to retrieve placeholder -- Test case to input differ
ent status (failed).png
- E:\\Assignment\\CypressAutomation_Sprint_grid\\cypress\\screenshots\\Test6_verify dif
ferent status.js\\Test suite to retrieve placeholder -- Test case to input differ
ent status (failed) (attempt 2).png (1280x720)

(Video)

- Started processing: Compressing to 32 CRF
- Finished processing: 1 second
- Video output: E:\\Assignment\\CypressAutomation_Sprint_grid\\cypress\\videos\\Test6_verify different status.js.mp4

=====

(Run Finished)

Spec	Tests	Passing	Failing	Pending	Skipped
✓ Test1_create & delete task & add di fferent status.js	00:06	1	1	-	-
✓ Test2_verify error msg for adding t ask.js	00:06	2	2	-	-
✓ Test3_create & delete new date colu mn.js	00:05	1	1	-	-
✓ Test4_verify error msg for adding d ate column.js	00:06	3	3	-	-
✗ Test5_retrieve placeholder status.j s	00:11	2	1	1	-
✗ Test6_verify different status.js	00:17	1	-	1	-
✗ 2 of 6 failed (33%)	00:53	10	8	2	-

PS E:\\Assignment\\CypressAutomation_Sprint_grid>

Final solution- If there is any difficulty in the above test run process,

Launch this link - <https://cloud.cypress.io/projects/56smfc/runs/2/overview>

Click on the test results and click on view output

Added date parsing test case

Sneha Prakash · Ran 4 mins ago · 02:06 · master · Not available · # 2

Overview **Test Results 10** Specs 6 Errors 0

All specs are complete!

SORT BY: Execution order

FILTER BY: Status, Flaky Tests, Last Modified, Spec File

cypress\integration\examples\Test1_create & delete task & add different status.j...
1 · 00:07 · E2E · Windows 10.0.22621 · Chrome 109 · View Output

Click on individual test cases to view test results videos or other details

cloud.cypress.io/projects/56smfc/runs/2/test-results/206e26a3-3a60-4840-8208-f0e4b3fa09ba

SprintGrid

Onboarding progress

SGTestAutomation

Latest runs

Branches

Analytics

Run status

Run duration

Test suite size

Top failures

Slowest tests

Most common errors

Flaky tests

Project settings

Added date parsing test case

Sneha Prakash · Ran 5 mins ago · 02:06 · master · Not available · # 2

Overview **Test Results 10** Specs 6 Errors 0

All specs are complete! 4 specs passed 2 specs failed

SORT BY: Execution order

FILTER BY: Status, Flaky Tests, Last Modified, Spec File, Run Group, Browser, Operating System, Testing

cypress\integration\examples\Test1_create & delete task & add different status.j...
1 · 00:07 · E2E · Windows 10.0.22621 · Chrome 109 · View Output

Test case to create task for To Do & In Progress

Previous runs

Runtime environment

Artifacts

Test code history

Failure rate

Flaky rate

Performance

Test definition

(Note: Tests above are run in Cypress cloud with individual account configuration)