

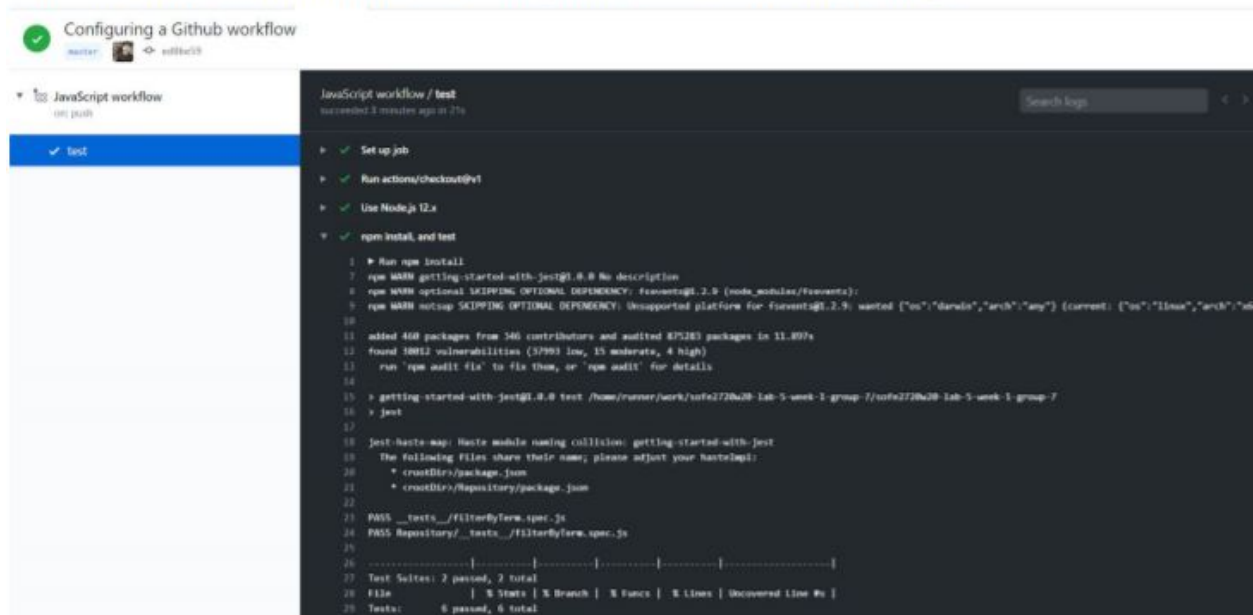
Testing Code.

Unit Testing and Integration Testing

Integration Testing is done for specific functions. This was explored in the lab.

The following screenshot shows Integration testing with get-hub repo

Screen dump of automatic CI testing on classroom Repository



The screenshot displays a GitHub Actions workflow run for a repository named 'classroom Repository'. The workflow is titled 'JavaScript workflow / test' and is shown as 'succeeded 3 minutes ago at 27s'. The left sidebar shows the workflow steps, with 'test' selected. The main panel shows the execution log for the 'test' step, which includes the following commands and output:

```
1  Run npm install
2  npm WARN getting started with jest@1.8.8 No description
3  npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.9 (node_modules/fsevents):
4  npm WARN optional SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.9: wanted {"os":"darwin","arch":"any"} (current: {"os":"linux","arch":"x64"})
5  added 468 packages from 346 contributors and audited 87183 packages in 11.897s
6  found 10812 vulnerabilities (3799 low, 15 moderate, 4 high)
7  run 'npm audit fix' to fix them, or 'npm audit' for details
8
9  > getting started with jest@1.8.8 test /home/runner/work/classroom-lab-5-week-1-group-7/classroom-lab-5-week-1-group-7
10 > jest
11
12 jest-haste-map: Haste module naming collision: getting-started-with-jest
13 The following files share their name; please adjust your hasteMap:
14 * /home/runner/work/classroom-lab-5-week-1-group-7/classroom-lab-5-week-1-group-7/package.json
15 * /home/runner/work/classroom-lab-5-week-1-group-7/classroom-lab-5-week-1-group-7/package.json
16
17 PASS __tests__/filterByTerm.spec.js
18 PASS Repository/__tests__/filterByTerm.spec.js
19
20 Test Suites: 2 passed, 2 total
21 Files: 2 passed, 2 total
22 Tests: 6 passed, 6 total
```

The following test were done for unit testing prior to the functionality of the game to explore unit testing concepts

Test 1 for specs to set the link functionality

```
PASS _tests_/filterByTerm.spec.js
  Filter function
    ✓ it should filter by a search term (link) (4ms)

Test Suites: 1 passed, 1 total
Tests:       1 passed, 1 total
Snapshots:   0 total
Time:        2.9s
Ran all test suites.

C:\Users\100700131\getting-started-with-jest>
```

Test 2 and Test 3 done to test url and link prior to game development.

```
PASS _tests_/filterByTerm.spec.js
  Filter function
    ✓ it should filter by a search term (LINK) (3ms)
    ✓ it should filter by a search term (uRl) (1ms)
    ✓ it should filter by a search term ()

Test Suites: 1 passed, 1 total
Tests:       3 passed, 3 total
Snapshots:   0 total
Time:        2.141s
Ran all test suites.
```

```
//Second Test
```

```
test("it should filter by a search term (url)", () => {
```

```
  PASS __tests__/filterByTerm.spec.js
```

```
    Filter function
```

```
      ✓ it should filter by a search term (link) (8ms)
```

```
      ✓ it should filter by a search term (url) (1ms)
```

```
Test Suites: 1 passed, 1 total
```

```
Tests: 2 passed, 2 total
```

```
Snapshots: 0 total
```

```
Time: 1.879s, estimated 2s
```

```
Ran all test suites.
```

```
    expect(filterByTerm(input, "url")).toEqual(output);  
  });
```

```
PASS __tests__/filterByTerm.spec.js
```

```
  Filter function
```

```
    ✓ it should filter by a search term (link) (4ms)
```

```
    ✓ it should filter by a search term (url) (6ms)
```

```
    ✓ it should filter by a search term () (2ms)
```

```
Test Suites: 1 passed, 1 total
```

```
Tests: 3 passed, 3 total
```

```
Snapshots: 0 total
```

```
Time: 2.489s
```

```
Ran all test suites.
```

```
C:\Users\100730797\getting-started-with-jest>
```