

The code coverage tool we used is Karma, a testing framework that is widely used in java, javascript, typescript and frameworks such as angular and ionic. More can be read here:

<https://karma-runner.github.io/latest/index.html>

For our static analysis tool, we used TSLint. Screenshots of the tool can be found below.

```
johuan@johuan-linux:~/Desktop/School/SE181/SE181/SE181-Checker/src$ npm run lint
> SE181-Checker@0.0.1 lint /home/johuan/Desktop/School/SE181/SE181/SE181-Checker
> ng lint

TSLint's support is discontinued and we're deprecating its support in Angular CLI.
To opt-in using the community driven ESLint builder, see: https://github.com/angular-eslint/angular-eslint#migrating-from-codelyzer-and-tslint.
Linting "app"...
All files pass linting.
```

Karma v5.0.9 - connected

DEBUG

Chrome 86.0.4240.198 (Mac OS 10.14.6) is idle

28 specs, 0 failures, randomized with seed 11488

finished in 13.199s

```
testShowCreditsModal
  • 20/20 lines of code executed
testShowAboutModal
  • 22/22 lines of code executed
checkForceCapture
  • 32/32 lines of code executed
testUploadFile
  • 22/22 lines of code executed
AppComponent
testMakeMove
  • 86/86 lines of code executed
AboutComponent
  • should create
testAreSquaresDiagonal
  • 25/25 lines of code executed
testCheckWinCondition
  • 21/21 lines of code executed
testNgOnInit
  • 38/38 lines of code executed
testNgOnInit
  • 50/50 lines of code executed
Firebase connection
  • 9/9 lines of code executed
testInitializePlayer
  • 26/26 lines of code executed
testPresentPrompt
  • 19/19 lines of code executed
testPresentToast
  • 12/12 lines of code executed
testGenerateId
  • 24/24 lines of code executed
testTryMakeMove
  • 38/38 lines of code executed
testInitializeBoard
  • 26/26 lines of code executed
testUpdateUsername
  • 17/17 lines of code executed
testFlipBoard
  • 20/20 lines of code executed
testPresentAlert
  • 11/11 lines of code executed
TestsService
  • should be created
testResetHighlightedSquares
  • 14/14 lines of code executed
testGenerateHelperBoard
  • 29/29 lines of code executed
testSelectPiece
  • 34/34 lines of code executed
```

11/30/2020

Karma

testGetAllMoves

- 19/19 lines of code executed

User has signed in

- 7/7 lines of code executed