CS551 – Advanced Software Engineering

Assignment#8

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Task: Develop an Ionic application for Lab Task 6 and write unit test cases.

Steps involved:

- 1. An ionic app is started with name swetha and with template tabs.
- 2. Lab Task 6 Services are used in this application i.e., Calculate Area of Square, Calculate Area of Rectangle, Convert Pounds to Kgs.
- 3. The app is built and ionic serve command is used to test the app on the browser.
- 4. Test cases are written and Karma CLI is used to execute them.

Screenshots:

Test Cases

```
C:\swetha>karma start karma.conf.js

17 03 2016 05:52:46.151:WARN [watcher]: Pattern "C:/swetha/www/lib/platform/platform.js" does not match any file.

17 03 2016 05:52:46.156:WARN [watcher]: Pattern "C:/swetha/js/*.js" does not match any file.

17 03 2016 05:52:46.183:WARN [karma]: No captured browser, open http://localhost:9876/

17 03 2016 05:52:46.193:INFO [karma]: Karma v0.13.22 server started at http://localhost:9876/

17 03 2016 05:52:46.200:INFO [launcher]: Starting browser Chrome

17 03 2016 05:52:47.514:INFO [Chrome 49.0.2623 (Windows 10 0.0.0)]: Connected on socket /#d_niAxIv5cMMN11wAAAA with id

6834372

Chrome 49.0.2623 (Windows 10 0.0.0) ChatsCtrl Checks Area of Rectangle FAILED

Expected undefined to equal 100.

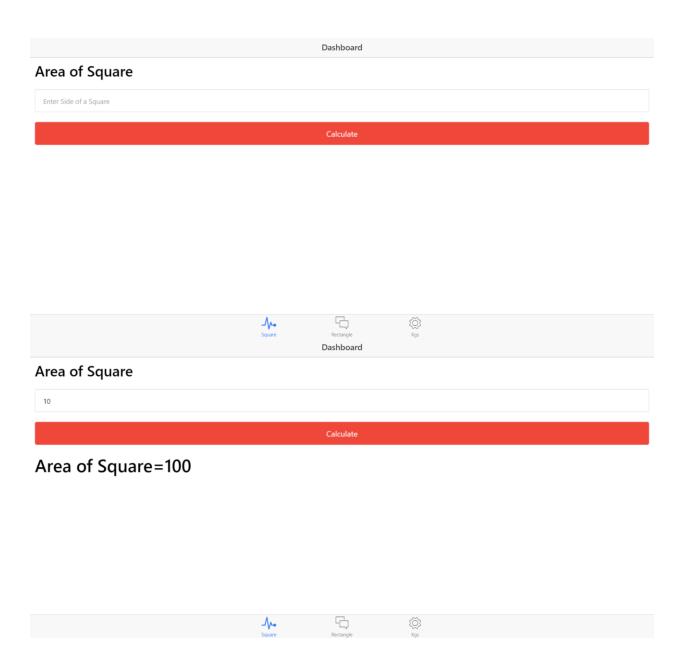
at Object.<anonymous> (C:/swetha/www/unit-test/rectangle.js:13:40)

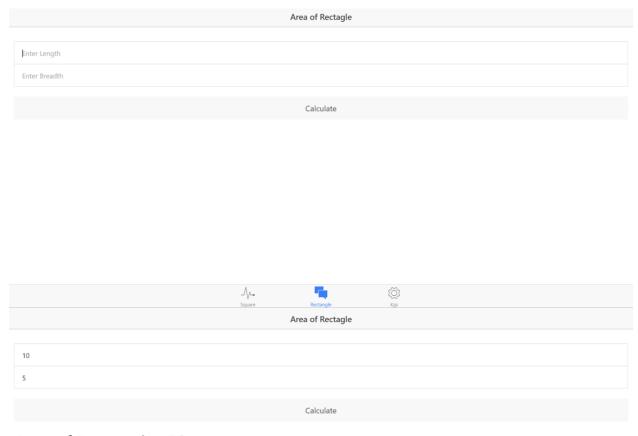
Chrome 49.0.2623 (Windows 10 0.0.0) DashCtrl Checks Area of Square FAILED

Expected undefined to equal 100.

at Object.<anonymous> (C:/swetha/www/unit-test/square.js:12:40)

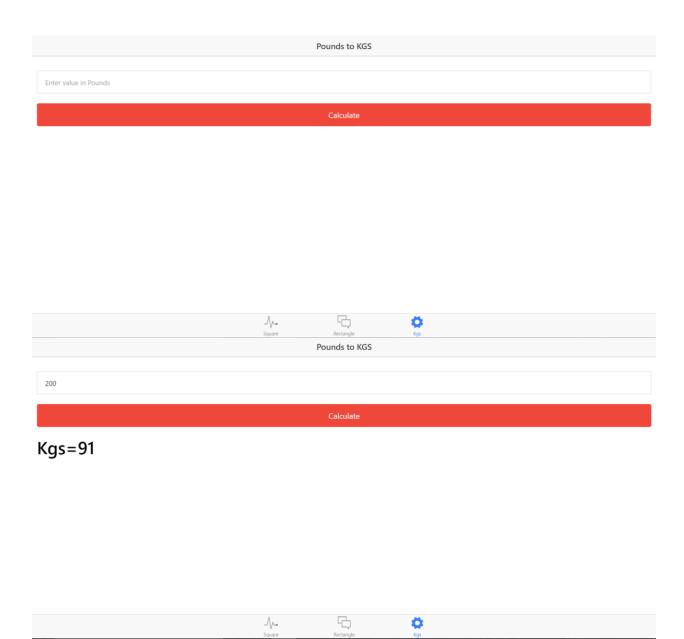
Chrome 49.0.2623 (Windows 10 0.0.0): Executed 3 of 3 (2 FAILED) (0.057 secs / 0.033 secs)
```





Area of Rectangle=50





Android Virtual Device:

