

Introduction:

Project - ColorChips

Required Environment - The Project directory is ready for use in **Android Studio**

Run Samples: The below screen shots illustrate the ColorChips Application work flow

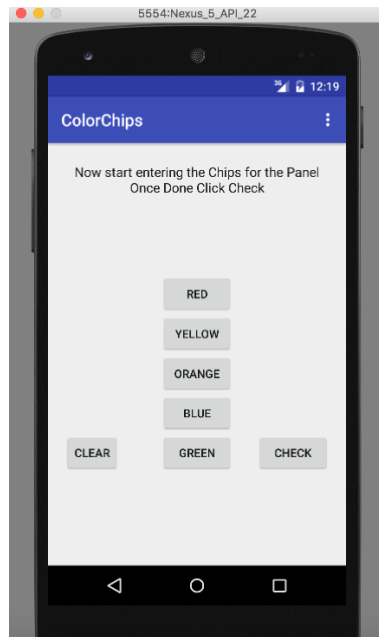
- i. Click on the front color marker



- ii. Click on end color marker



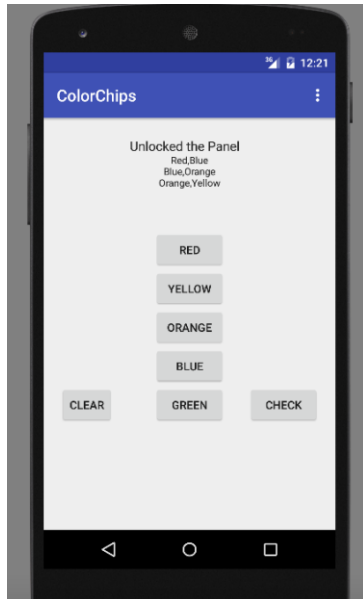
- iii. Now start clicking the Chips colors, once done click Check



- iv. If you click only one color of the chip and click 'Check', program will ask for other color



- v. If all the Chips placed in the access panel are placed end to end such that the adjacent colors match and the starting and ending chips are color matched to the corresponding markers, panel Unlocks



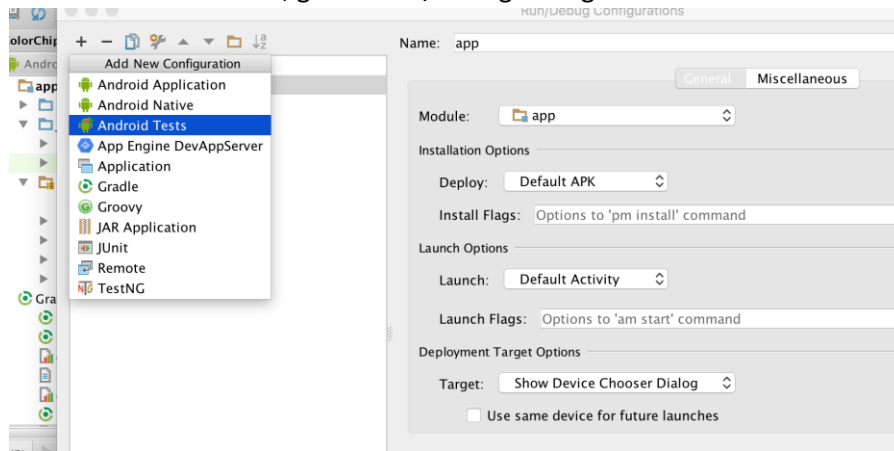
- vi. If the Chips placed in the access panel do not have an appropriate color match, access panel cannot be unlocked



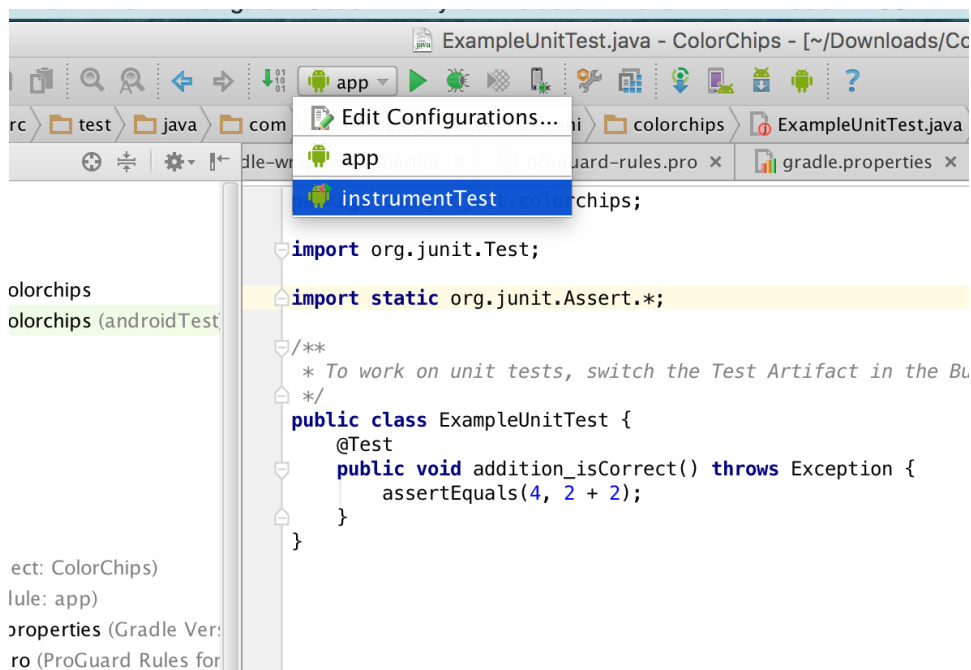
- vii. Click the "Clear" button to start again

Testing:

In order to run the test, go to “Run/Debug Configurations” add new Android Test



Now select newly created Test Configuration and run the test.



In this Project we have two kinds of testing

1. Local Unit Tests:

These tests run on your local machine only. These tests are compiled to run on your local machine only. These tests do not have dependencies on Android Framework



2. Instrumented Unit Tests:

These tests run on an Android Device or emulator. These tests have access to Instrumentation information. These tests have Android dependencies which mock objects cannot easily satisfy.

