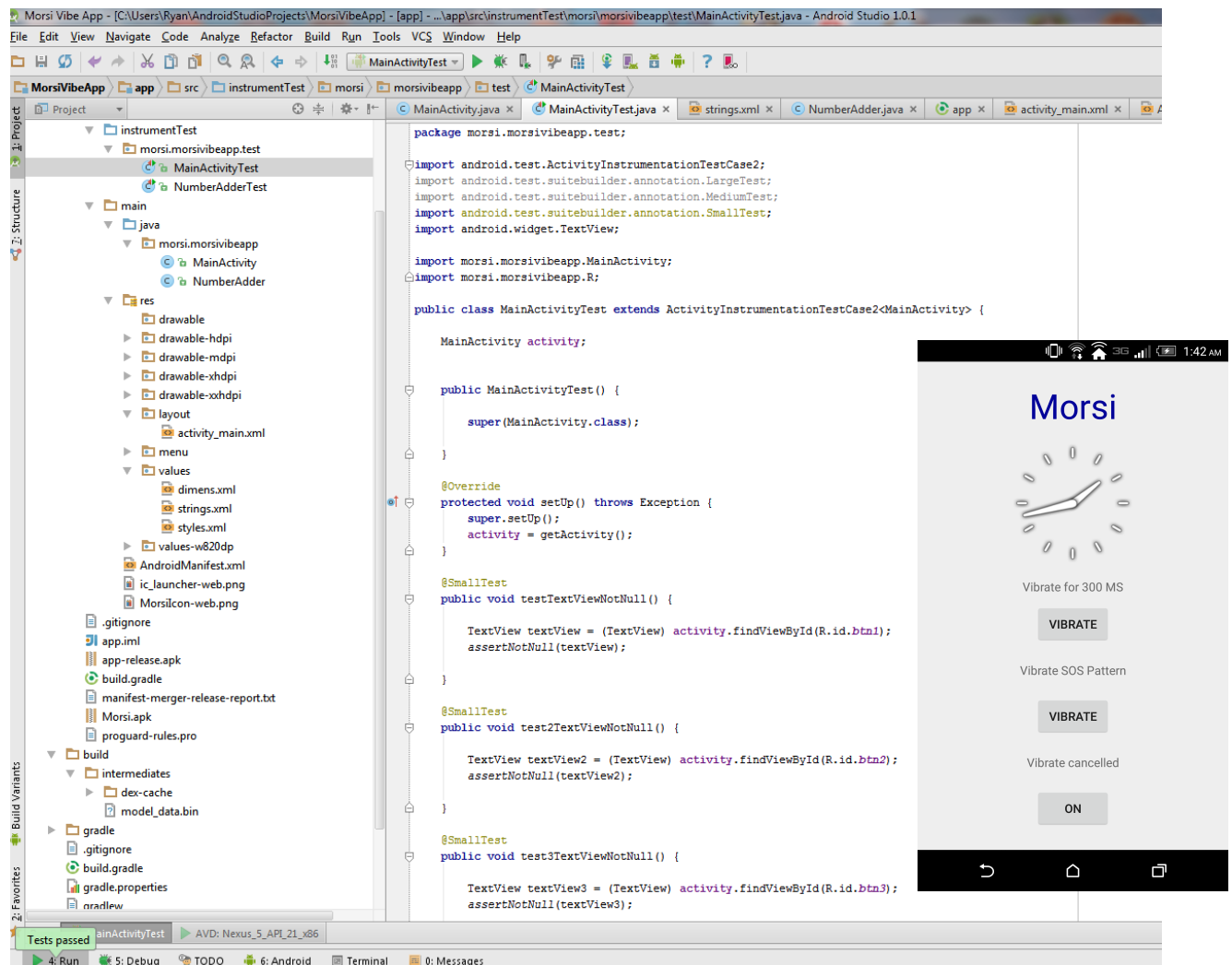


**Vision:** A user friendly mobile application that relays simple information from your phone through vibration.

**Who:** David Morris, Ryan O'Connell, Ahmed AlMutawa, Brian Salmon

**Automated Tests:**

**Project Name:** Morsi

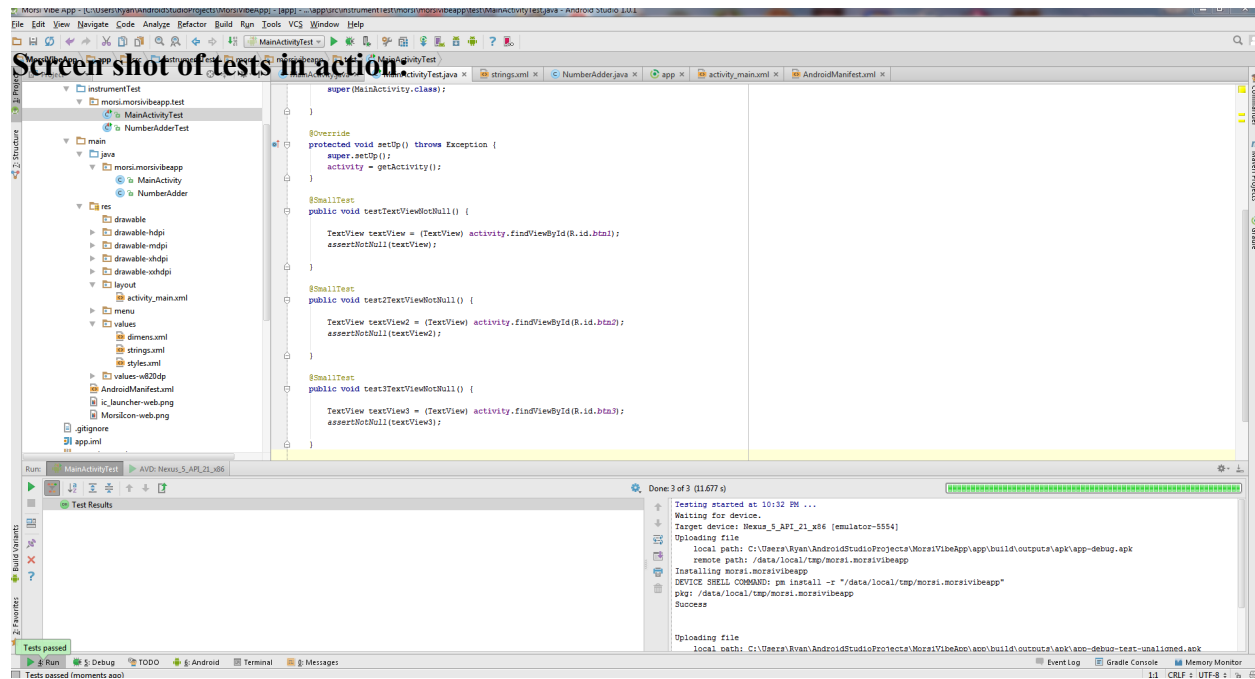


### Automated Tests Details:

We first tested if the junit test was working properly in Android Studio. This was done by a simple addNumber test function that gets two numbers from our code and tests whether the added numbers were correct. The above screen shot is our tests for Morsi. Each test looks for an ID associated within our app and returns if it found it or not. As you can see our current automated tests are searching for each button ID and returns if the test can find it or not. As the functionality of our app increases we will create more complex tests.

## Automated Tests Results:

1. addNumber: Tests whether the tests are functioning.
  - a. Result: SUCCESS
2. ViewText ID button1: Looks for button 1 by ID – 300ms vibrate
  - a. Result: SUCCESS
3. ViewText ID button 1: Looks for button 2 by ID – SOS vibrate pattern
  - a. Result: SUCCESS
4. ViewText ID button 3: Looks for button 3 by ID – Continuous vibrate
  - a. Result: SUCCESS
5. ViewText ID analog clock 1: Looks for analog clock 1 by ID
  - a. ~~Result: FAIL – No text associated with analog clock~~
  - b. We predicted this would fail



User Acceptance Tests:

Project Name: Morsi

Test Case ID: Item\_1

Test Priority (Low/Medium/High): Med

Module Name: Morsi home page

Test Title: instance\_vibrate

Description: This test will check if the user can accurately activate the option to vibrate for a certain period of time within the app.

Test Designed by: Morsi

Test Designed date: 3/26/15

Test Executed by: Morsi

Test Execution date: 3/26/15

Pre-conditions: User has downloaded the Morsi App

Dependencies: User was prompted to activate this specific option.

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Open Morsi app	User found app OK	App opens to home screen	App opened to home screen	Pass	
2	Click vibrate button under the correct description	Clicked on the wrong item at first.	App will vibrate for a short period of time	App vibrated	Pass	User did not know exactly which button to press to begin with, needed prompt

Post-conditions:

App returned to home screen correctly and stopped vibrating after the time indicate

Project Name: Morsi

Test Case ID: Item\_2

Test Priority (Low/Medium/High): Med

Module Name: Morsi home page

Test Title: morse\_vibrate

Description: This test will test the function of the SOS Morse vibration.

Test Designed by: Morsi

Test Designed date: 3/26/15

Test Executed by: Morsi

Test Execution date: 3/26/15

Pre-conditions: User has downloaded the Morsi App

Dependencies: User prompted to run SOS vibration pattern

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Open Morsi App	App opened OK	App open	App opened	Pass	
2	Click on the vibrate button with the correct description	SOS selected	SOS vibration	SOS vibration	Pass	Did not click wrong button, better description.
3	Wait for SOS to terminate	Impatient for vibration to end	Wait	Waited but became distracted	Pass	Possible shortened breaks in between vibrations.

Post-conditions:

App stopped vibration pattern and waited.

**Project Name:** Morsi

**Test Case ID:** Item\_3

**Test Priority (Low/Medium/High):** Med

**Module Name:** Morsi home page

**Test Title:** indefinite\_vibrate

**Description:** This will test the vibrate until stopped function.

**Test Designed by:** Morsi

**Test Designed date:** 3/28/15

**Test Executed by:** Morsi

**Test Execution date:** 3/28/15

**Pre-conditions:** User has downloaded the Morsi App

**Dependencies:** User prompted on which item to select

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Open Morsi App	App open OK	App OK	App OK	Pass	
2	Click on correct vibrate button	Clicked on correct button, began vibration	Vibration begins	Vibration began	Pass	
3	Click on vibrate button again to stop vibrations	User waited a while to click to stop	User clicks on vibration button again	User waited about 20 seconds to click on stop vibration	Pass	Need a better indicator of how to stop vibrations

**Post-conditions:**

App stopped vibrations when clicked.

**Project Name:** Morsi

**Test Case ID:** Item\_4

**Test Priority (Low/Medium/High):** Low

**Module Name:** Morsi home page

**Test Title:** clock\_read

**Description:** Test to make sure clock is readable

**Test Designed by:** Morsi

**Test Designed date:** 3/29/15

**Test Executed by:** Morsi

**Test Execution date:** 3/29/15

**Pre-conditions:** User has downloaded the Morsi App

**Dependencies:** None

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Open Morsi App	App OK	App opened OK	App OK	Pass	
2	User read time off analog clock	Could read clock clearly and accurately	Clock readable and correct	Clock OK	Pass	User liked the analog style

**Post-Conditions:**

None

**Test Case ID:** Item\_5

**Test Priority (Low/Medium/High):** Low

**Module Name:** Morsi home page

**Test Title:** app\_close

**Description:** Make sure the user can exit the app

**Test Designed by:** Morsi

**Test Designed date:** 3/31/15

**Test Executed by:** Morsi

**Test Execution date:** 3/31/15

**Pre-conditions:** User has downloaded the Morsi App

**Dependencies:** Need Android phone

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Open Morsi App	App OK	App opened OK	App opened OK	Pass	
2	Close Morsi App	Using an HTC One M8, android phone. User did not initially know how to exit	User click back button	Had to tell user how to leave	Fail	Some on screen exit needs to exist so users can know how to shut app down.

**Post-conditions:**

App closed but still running in background.

**VCS:** <https://github.com/morriscd/morsi>