**Current Android UI Test updates, review of work.**

* 179 - Droid tests involving (this current work), 523 Unit test (not affected by this work)
* Last ran about a year ago; early August 2016
* Large UI test failures occur, even when run completes, for UI testing

**The problem**

***Test Cloud was timing out, or taking too long for them to complete and > 6 hours; most tests fail.***

**Expectation and continued work**

The intent was to reduce the test test-run-time by splitting the runs into categories, and to specify only necessary categories for those areas where recent changes occurred.

Category partitioning has been successful, there will be a need of a continuing assessment of which overall tests need changing; due to age of last test-runs (fixes, due to screen or app changes, since tests were written).

Modifications have been made to the test files only, an increase of successful tests have been accomplished.

These changes will need to be checked-in, and an overview performed, to mark any no longer needed, which should include myself and another developer.

Those tests not needed can be marked as ignored, and those necessary for a restart of test-runs, ongoing, can be included by using the category (include) parameters, when the command is sent to test-cloud.

Some investigation will still be needed to determine why the state of some tests are incorrect, resulting in failed tests, possibly due to the phone screen not being at the correct screen, or showing expected items to test against.

**Possible Approach**

One recommendation would be to only pass a minimal set of categories (critical tests), to start with. As changes are made, the area affected can then pick up those new tests added, or existing tests required, including, to evaluate if any can be ignored, at the same time.

Run-times have been reduced down to about 90min for approximately 65 individual tests in run (from 179 as a total) currently. The actual total number will depend on what is critical to start with, so this run-time can change a little.