Test Plan for Calculator App

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1. Planning
   1. Test item analysis:
      1. What:
         * Users:
           + Who they are: only me
           + What they do: they want to get this job
         * Operations expected from the test item: It will allow basic calculation.
         * Product:
           + Structure: APK file
           + Functions: It will add/subtract by one and display the result on screen.
      2. How:
         * Product walkthrough: Open app -> Either press ADD or SUB -> Verify correct value under the SUB button.
         * Oracles:
           + Documentation: -
           + Specification: Android app for 4.4-7.0.1
           + End users: job candidate
           + Similar products: -
           + Previous versions: none. This is 1.0 version.
   2. Risk analysis:
      1. What:
         * Threats:
           + To the product: This app is to awesome to have any threats.
         * Vulnerabilities: -
         * Impact:
           + Affected actors:

End users: I might start using this app.

Teams involved: They might create even more such complex apps.

* 1. Designing testing strategy:
     1. Techniques:
        + Domain:
          - Scenario testing – 2 manual tests
          - Automation testing – 5 tests
     2. Ways of planning it:
        + Strategies:
          - Based upon context of the app
          - Based on tester’s experience
        + Identify opportunities to include automation: monkey test, power off/on, minimizing/maximizing app, killing app. TODO: calling while using app, screen rotation.
  2. Logistics:
     1. Estimate: This weekend
     2. People in team:
        + Roles: Marcin Sikorski – one man’s army
        + Responsibilities: Plan, test, execute, write, automate, test
        + Experience: ~3,5 years
     3. Project meetings: a few
     4. Team relationships: Tester would like to meet devs in real life
     5. Platform: Android 5.0.1 (Samsung Galaxy S4) + Windows 7.0
     6. Tools: cmd + bat file (based on ADB)