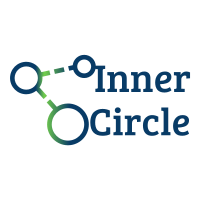
**CS673 Software Engineering** 

**Team 1 - Project Name**

**Tests Report**

|  |  |  |  |
| --- | --- | --- | --- |
| Team Member | Role(s) | Signature | Date |
| Wasupol | Team Leader | *WT.* | 09/23/2020 |
| Peter | QA Leader | *PL* | 11/12/2020 |
| Jian Ma | Backup Leader | *JM* | 11/3/2020 |
| Ananya | Requirement Leader | *AS* | 11/11/2020 |
| Michael | Implementation Leader | *MR* | 11/13/2020 |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**Revision history**

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Author** | **Date** | **Change** |
| **1.0** | **Team 1** | **11/13/20** | **11/13/20** |
|  |  |  |  |

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# Introduction

This document serves as a record of testing performed by all team members. For now, this consists of testing summaries of acceptance tests & unit tests that have been completed. As unit tests are committed to our repository, additional content will be added to this document such as screenshots of unit testing results from Android studio.

# Test Summary

This section of the document summarizes the testing reports by test type or, in the absence of specific test cases, provides a status report of testing for that test type. This will be updated at the end of each iteration.

* Acceptance Tests: As of the end of iteration 2, we have completed acceptance tests for one of our user stories: Authorization (Login).
* Unit Tests: Our project is using JUnit 4 for unit testing. There have been no reported tests of the android code at this time.
* Integration Tests: There have been no reported tests of this type.
* UI Tests: Our goal was to complete UI testing of the login UI using Appium before the end of iteration 2, but that testing has not been completed.
* Regression Tests: As of the end of iteration 2, regression tests have not been implemented.

# Tests Reports

This section provides detailed descriptions of completed tests, organized by test type. Defects found through these tests will require generation of a bug report in pivotal tracker, that story should be linked here.

Acceptance Tests

* App Startup
  + Test name: App initialization (first time)
  + New or old: New
  + Test items: Initial login display
  + Test priority: High
  + Dependencies: None
  + Preconditions: User has installed the app and has not logged in before.
  + Input data: User clicks app icon from home screen
  + Test steps:
    - Built Gradle
    - Run emulator
    - Open app from home screen
  + Postconditions: The user is presented with the app logo and clickable box with the google logo and “Sign In” text.
  + Expected output: None
  + Actual output: N/A
  + Pass or Fail: Pass
  + Bug id/link: N/A
  + Additional notes:
* Login:
  + Test name: Login Test
  + New or old: New
  + Test items: Google authorization and integration with app
  + Test priority: High
  + Dependencies: None
  + Preconditions: User’s android debug SHA-1 or SHA -256 key needs to be uploaded to the firebase instance.
  + Input data: Click the “Sign In” button
  + Test steps:
    - When google login view appears,
      * If first time: Provide gmail address and password
      * Subsequent tests: Either select account credentials added in prior test or add another account.
  + Postconditions: If the login is successful you view changes to the home feed.
  + Expected output: If the login is successful your view changes to the home feed If the login is unsuccessful (google authorization fails) text appears stating the failure.
  + Actual output: “”
  + Pass or Fail: Pass
  + Bug id/link: N/A
  + Additional notes:
* **Logoff:**
  + Test name: Logoff
  + New or old: New
  + Test items: Ending user session
  + Test priority (high/medium/low): Medium
  + Dependencies (to other test case/requirement if any): Dependent on login test
  + Preconditions: User’s android debug SHA-1 or SHA -256 key needs to be uploaded to the firebase instance, user has logged in successfully
  + Input data: Click hamburger menu on app banner, click “Sign - Out”
  + Test steps: Login successfully, from feed view click the hamburger menu (three vertical bullet points in top right banner), from pop-up menu, click “Sign - Out.”
  + Postconditions: If the logout action is successful the login page should be displayed to the user.
  + Expected output: After clicking “Sign - Out” the user’s view changes to the login page.
  + Actual output: “”
  + Pass or Fail: Pass
  + Bug id/link: (this should link to your github issue id): N/A
  + Additional notes:
* **Template:**
  + Test case ID, name
  + New or old:
  + Test items: (what do you test )
  + Test priority (high/medium/low)
  + Dependencies (to other test case/requirement if any):
  + Preconditions: (if any)
  + input data:
  + Test steps:
  + Postconditions:
  + Expected output:
  + Actual output:
  + Pass or Fail:
  + Bug id/link: (this should link to your github issue id)
  + Additional notes:

# Testing Metrics

* Product metrics:
  + Defects per lines of code: No defects have been reported at this time.
  + Amount of failed chat messages per a given reference number of chat messages (choice for reference number to be determined)
* Process metrics:
  + Test coverage rates by class: Pending unit test commits to our repository.
  + Defects resolved per an iteration: No defects have been identified at this time.
  + Man hours per a defect resolution: No defects have been identified/addressed at this time.

# References

Our project’s pivotal tracker <https://www.pivotaltracker.com/n/projects/2465407>

# Glossary