

Deliverable #1

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Project: Glucosio

Tests Completed within Android Studio:

1. GlucosioApplicationTest
 - a. 3 tests were included within this java file
 - i. ShouldNotClearLanguage_WhenAlreadyDone
 - ii. ShouldClearLanguage_WhenSetFromHelloActivityAndNotFixedYet
 - iii. ShouldSaveLanguageClearedToPreferences_WhenItIsDone
 - b. All tests were passed and completed in 887 ms
2. RobolectricTest
 - a. Included a variety of test builds, however, if the option “All Tests” was chosen, the return stated that the test suite was empty
 - i. If each individual test was run, then the code worked correctly
 - b. A1CCalculatorActivityTest
 - i. ReturnTrue_WhenKeyboardActionDone
 - ii. Notify Presenter_WhenGlucoseValueChanged
 - iii. ShouldAskPresenterToCheckUnit_When Created
 - iv. ShouldBindViews_WhenCreated
 - v. ShouldSetMmolToMolAsUnit_WhenUserSettingsIsPercentage
 - vi. ReturnFalse_WhenKeyboardActionOther
 - vii. All tests were passed in 1m 7s
 - c. AssistantAdapterTest
 - i. CallPresenter_WhenExportAsked
 - ii. CallPresenter_WhenFeedbackAsked
 - iii. CallPresenter_WhenA1CalculatorAsked
 - iv. CallPresenter_WhenAddReadingAsked
 - v. CorrectlyBindRows

- vi. All tests passed 42s
- d. BackupActivityTest
 - i. ShouldDelegateToBackup_WhenDisconnectIsCalled
 - ii. ShouldDelegateToBackup_WhenConnectIsCalled
 - iii. ShouldDelegateToBackup_WhenActivityResultReceived
 - iv. ShouldInitBack_WhenCreated
 - v. All tests passed 41s
- e. HelloActivityTest
 - i. ShouldReportAnalytics_WhenCreated
 - ii. ShouldInitLanguageSpinner_WhenCreated
 - iii. ShouldSelectLanguage_WhenCreated
 - iv. ShouldPassNLAsLocale_WhenNLSelected
 - v. ShouldBindView_WhenCreated
 - vi. All tests passed 59s
- f. MainActivityTest
 - i. ShouldReportAnalytics_WhenCreated
 - ii. Test passed 37s
- g. PreferencesActivityTest
 - i. ShouldReportAnalytics_WhenCreated
 - ii. Test passed 38s
- h. AssistantAdapterTest
 - i. CallPresenter_WhenExportAsked
 - ii. CallPresenter_WhenFeedbackAsked
 - iii. CallPresenter_WhenA1CCalculatorAsked
 - iv. CallPresenter_WhenAddReadingAsked
 - v. CorrectlyBindRows
 - vi. All tests passed 39s
- i. BackupAdapterTest
 - i. ReturnViewWithSizeFormatted_WhenAsked

- ii. Test passed 30s
- j. MigrationTest
 - i. ProperlyMigrateUserFromVersion4
 - ii. ProperlyMigrateGlucoseFromVersion4
 - iii. ProperlyMigratePressureFromVersion4
 - iv. ProperlyMigrateWeightFromVersion4
 - v. ProperlymigrateCholesterolFromVersion4
 - vi. All tests passed 314 ms
- k. UserBuilderTest
 - i. Builds user account
 - ii. All tests passed 1s
- l. AssistantFragmentTest
 - i. ShouldUnBindViews_WhenDestroyed
 - ii. ShouldBindViews_WhenCreated
 - iii. Tests passed 36s
- m. A1CCalculatorPresenterTest
 - i. 9 tests passed 433ms
- n. AssistantPresenterTest
 - i. CallFragment_WhenUserAskedExport
 - ii. CallFragment_WhenUserAskedSupport
 - iii. CallFragment_WhenUserAskedToAddReading
 - iv. CallFragment_WhenUserAskedToShowCalculator
 - v. All passed 92s
- o. ExternalViewPresenterTest
 - i. shouldLoadOpenSourceLicenses_WhenLicenseParameters
 - ii. shouldThrowException_WhenNoParameters
 - iii. shouldInvokeShowNoConnectionWarning_WhenNetworkIsNotConnected
 - iv. All passed 28s

- p. HelloPresenterTest
 - i. 9 tests passed 28s
- q. OverviewPresenterTest
 - i. ShouldAddZerosBetweenReadings_WhenAsked
 - ii. ShouldSortReadingsChronologically_WhenAsked
 - iii. Tests passed 402ms
- 3. AndroidPhoneAppTests
 - a. Required running emulators for test; my personal CPU did not support the new Virtual Device
 - i. I will look into an alternative because my current device is not supported for this test.
 - b. HelloActivityTest
 - c. MainActivity Test

Organization:

The project is organized in the following categories for which these tests were focused on.

- Activity
- Adapter
- Db
- Fragment
- Presenter
- Tools

Experience:

Overall, the project is fairly straightforward and easy to follow. The tests were thorough and easy to run, and I appreciated the pass/fail description for each subunit test. The ability to run all of the tests will need to be fixed for future runs, as that will allow testing to be more efficient, but I did not mind running the tests on their own as they are

organized and easy to find in the directory. I will be looking into a virtual device alternative as my current computer CPU is not supported, and my personal device is Apple.

Project:

The project is fairly robust and well organized. The developer made the code and terminology easy to follow with great documentation. I am personally excited to continue to work on this project and contribute to make the overall application better. I am hoping to use a virtual device in the future to see the application running, but I am still able to compile, and run the code as necessary to complete the testing of this project.