FEATURES TO BE TESTED

Usability of the application

Test application access channel to other services, this involve testing is user is able to login and use other services (Login)

Priority :{ high}: This servers as a bridge between user and the service provided by the application, thus is important for the feature to work at all time.

Test the application to respond to user interaction and response when input is imputed in the required field

Priority {High}: This feature is the core for other features as input to the feature is further processed to other applications

Test system persistence based on user input, user inputs publication information, filling up required fields (Add publication)

Priority {High}: This feature inputs private data from the individual, data captured from this model needs to be secured and private to other research groups

Search query response based on view publication module, testing where the search query outputs the desired resource (View Publication)

Priority {High}: Feature involve retrieval of sensitive data entered by the user and need to be available ever time as user request, user can request to edit the data in the module

Editing of user profile, is the edit persisted and change in appropriate places in the application

Priority {Medium}: Feature involves modification of user information with little impact to the overall system, thus not significant damage is done when the feature service can’t be reached

FEATURES NOT TO BE TESTED

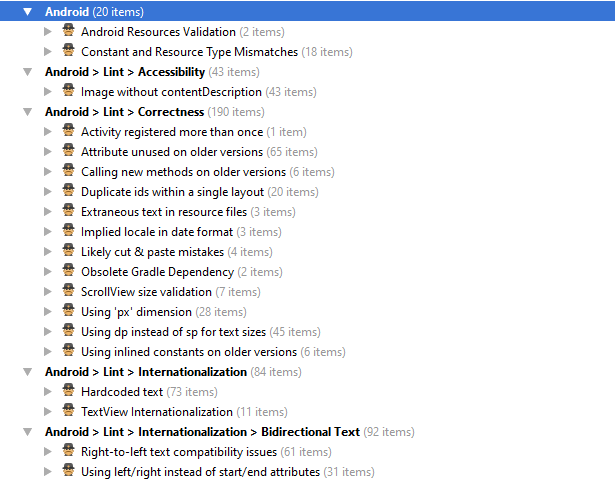
The System is divided in to modules, which consist of service contract, in the Android module of the system, the module is required to mimic the entire modules that make up the system, and the service contract of each module in the system will not be tested

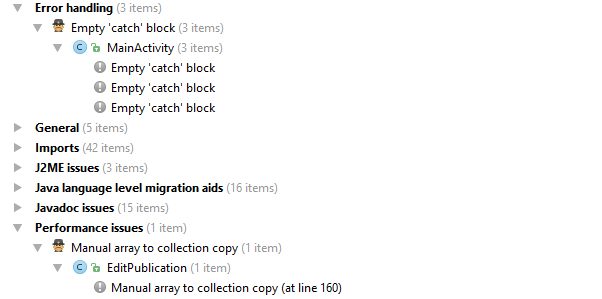
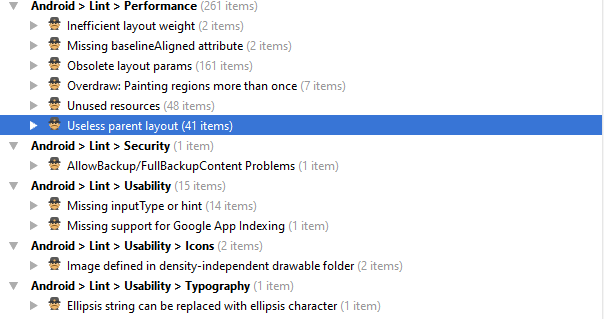
ITEM PASS/FAIL CRITERIA

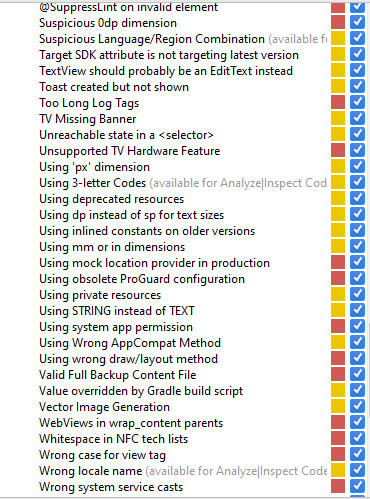
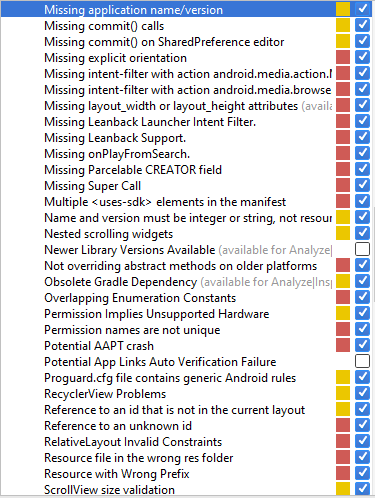
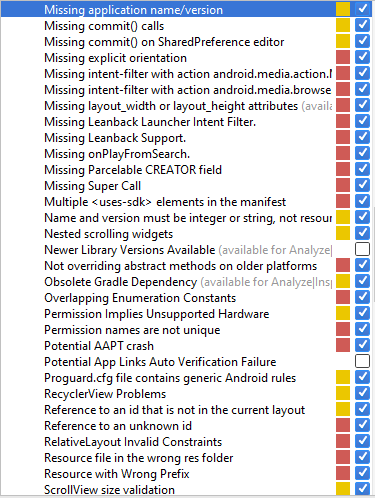
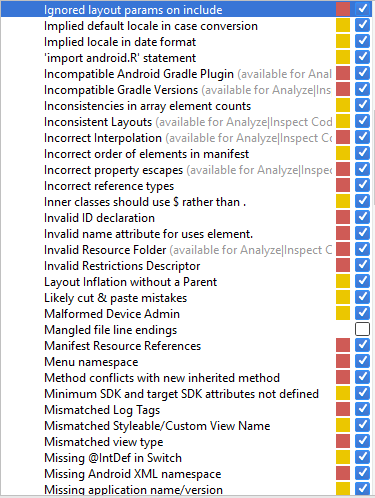
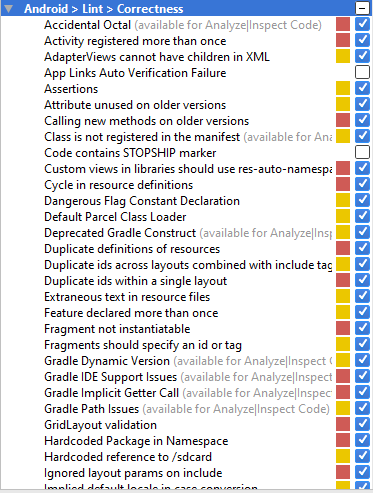
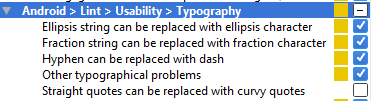
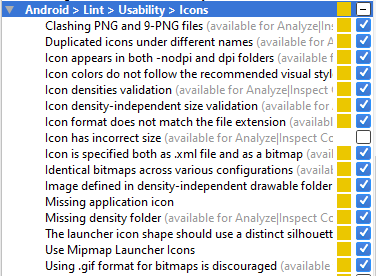
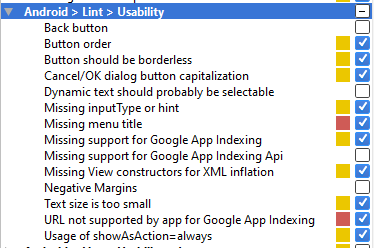
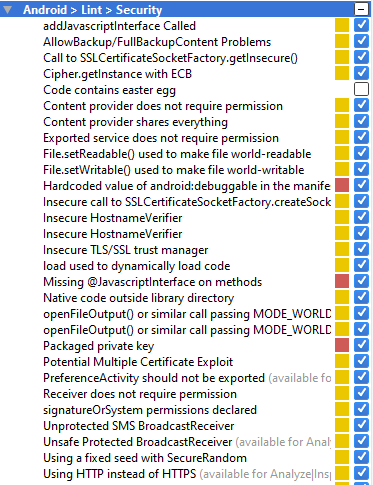
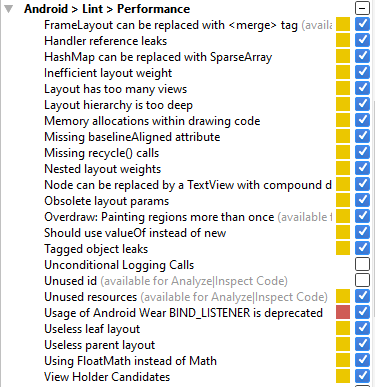
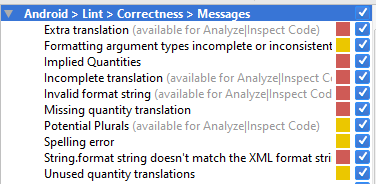
Unit test of core modules making the application

Lint was used to carry out a few tests and the following results appeared.

In the following image you can see the test results for the features such as accessibility, correctness internationalization and bidirectional text

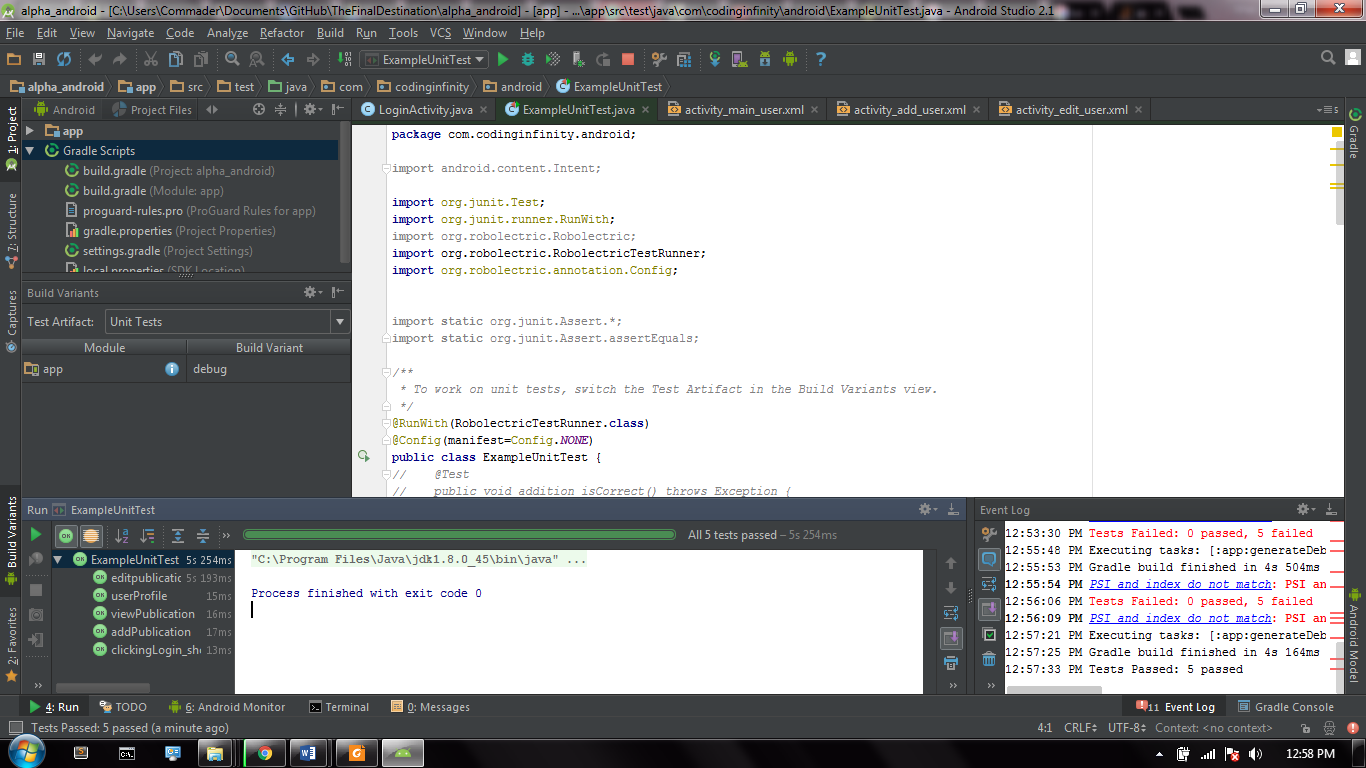


In this lint report the test for performance, security, usability, icons and typography.

We set up lint with to check for the following criteria. 

SUSPENSION CRITERIA AND RESUMPTION REQUIREMENTS

Gradle build with appropriate dependencies. A attempted connection to be made to a server was created but attempts to test should be stopped as its not used in the code.



Login: Test passed

Add Publication: Test passed

View Publication: Test passed

Edit profile Test passed

SUSPENSION CRITERIA AND RESUMPTION REQUIREMENTS

Application testing reach a finite point, through lint report, the project included many errors and application running on the device kept on crushing because of these errors identified.

Implementation of the application is poorly implemented with no respect to android fragments usage, these resulted in many switches between different views in the application that puts a strain on the deployed device resources and replication, this resulted in some test not being able to be ran as switching between views lack reference path to which view to go to next, with the use of android fragments this could have being avoided.