Test Plan and Scope

1. Scope and Limitation

* Scope

Testing will cover component testing of the Google Photos Application through 3 different platforms i.e., Web, Android and iOS.

The testing on these platforms will cover the installation of Google Photos on these platforms as well as testing of 9 selected unique components to determine that the code works on all the three platforms.

* Limitation and Exclusion

Functionalities of Google Photos from the 2.12.150668919 iOS and 2.11.0.150493453 android version are to be tested using test interfaces designed for each platform.

It is possible that some functionalities will be shown to be incorrect, errors of this type will be entered as a defect in the defect tracking system.

The testing is based on 3 major and unique components of Google Photos on each iOS, android and web platform, leaving out other non- critical components or components that have been covered in other platforms.

1. Test Approaches and Strategy

Following approach has been used for testing the application:

* Test Approach

The objective of the testing is to verify the correctness of the 9 selected components of Google Photos across 3 different platforms (Web, Android and iOS). The testing will focus on functionality of Assistant, search and Main menu on Android platform; Photos, Create Album, Back-up and Sync on iOS platform and Upload, Share and Albums on Web platform.

Testing will be accomplished through an organized testing process that will have repeatable tests. This process will be accomplished by use of scripts created and designed to match the requirements being developed for the Google Photos application.

Planning for the execution of test scripts for the selected components will be done in coordination with the plan for creating test cases.

Test Cases will be structured to give a full range of coverage to the converted components in both a negative and positive manner, simulating what a potentially unfamiliar user might do during use. Positive test cases will reflect that the application functions as expected and described in the Requirement Specification and Project Plan document. Negative test cases are tests that exercise the limits and boundaries outside the expected designs. The result of this testing will give us some idea as to the stability for the application and its selected components.

* Test Strategy

It includes identifying 9 unique components of Google Photos application across 3 different platforms that include Android, iOS and Web.

Functional testing will be performed on these 9 components by complete test case planning, test case creation and test case execution.

The strategy also includes performing the Test Closure activities at the end of the testing phase.

1. Entrance/Exit Criteria

* Entrance Criteria
* Scope of testing has been decided and agreed upon by each team member.
* Components to be tested on each platform have been identified
* Process of Logging defects and improvements has been identified and approved of by each team member
* All the team members have device(s) that supports at least one of the three identified platforms for testing
* Test case template has been agreed upon by each team member
* Exit Criteria
  + Test Plan completed
  + The test cases for all the listed components for each platform have been created
  + All the test cases have been executed
  + All the defects for each component have been identified and documented
  + Improvements identified if any, have been documented
  + All the expected and actual results have been captured and documented

Sign off from all the team members for the testing done by other team members.