



CHARLES W. DAVIDSON
COLLEGE OF ENGINEERING

Manual Testing of Google Photos Platform

CMPE 287 Software Quality Assurance and Testing

Team Project Design Document

Submitted to: Prof. Santhi Narayananankutty

Introduction

Testing is crucial for any product to make sure that the product satisfies the requirements and does not fail in performing its functions post production. Testing integrates well with the development cycle and different types of testing can be done at different stages of development.

Test Project Overview

In this project, we have selected “Google Photos” product for testing. On Google Photos, an intensive series of manual testing has been performed to find out any bugs and improvements in the product.

Testing has been performed on following platforms of Google photos:

- Web application
- Android application
- iOS application

For each platform, intensive manual testing has been performed on different components, with multiple cases to validate the different functionalities of the Google Photos Services.

Test Plan and Scope

Black Box testing has been performed on all three platforms of Google photos as product has been developed by google and google owns the proprietary software and source code.

The scope of the testing spans all the functionalities of the Google Photos services.

Test Approaches and Strategy

Essentially, the strategy followed for the manual testing of the Google Photos app is summarized below:

- Setup the Google Photos service across all 3 platforms (Web, Android and iOS).
- Pick three important components of the service on all 3 platforms.
- Test the components against 5 test cases each.
- Record the bugs and improvements in Jira.

Entrance Criteria

The entrance criteria are summarized below:

- Google account has been setup and access to it is readily available.
- Verify if test tools installed in the environment are ready for use.
- Verify if Testable components are available.
- Verify if Test Data is available and validated for correctness of Data.

Exit Criteria

The exit criteria are summarized below:

- All test cases are thoroughly executed (100% coverage).
- No outstanding critical or high Priority defects in Open status.
- Cross Browsers, supported platforms, multiple devices should be covered.

Testing Requirements

- All three components on each of the Android, iOS and Web platforms should be tested against 5 test cases each.
- 100% coverage should be ensured.
- Each test case should be marked as passed or failed.
- Any bug must be traced and reported to be fixed by development team.
- Any potential improvements should be recorded and reported to the development team.
- Finally prepare a generalized report displaying all the test cases for each component and platform along with its improvements and defects.

Test Case Template

To facilitate homogeneity and reusability, test cases follow the same template. The test case template followed by our project is:

Title *

Credential Validation - Correct E-mail and Correct Password

Section *	Template *	Type *	Priority *
Authentication	Test Case (Steps)	Functional	Critical
Estimate	References	2	

Preconditions

The preconditions of this test case. Reference other test cases with [C#] (e.g. [C17]).

Steps

1	Launch photos.google.com	Web site gets successfully loaded.
2	Check that no user is signed in	Login page gets displayed prompting the user to enter their email or phone number.

Tools Used

- JIRA
- TestRail

Test Design

Test Design is creating a set of inputs for given software that will provide a set of expected outputs. The idea is to ensure that the system is working good enough and it can be released with as few problems as possible for the average user.

Google Photos – Web Platform

Below is the screen shot of the **Report exported from Test Rail** which indicated **3 components selected for Web Platform and its test cases.**

Outline ▾		Print	Close
S3: Google Photos - Web Platform			
1. Authentication			
ID	Title		
C4	Credential Validation - Correct E-mail and Correct Password		
C5	Credential Validation - Correct E-mail and Incorrect Password		
C6	Sign in without having an account		
C7	Sign in without entering E-mail (Blank Field)		
C8	Sign in using Phone number		
2. Upload Media			
ID	Title		
C9	Drag and Drop a single image/video		
C10	Drag and Drop multiple images/videos		
C11	Upload Single image/video		
C12	Upload Multiple images/videos		
C13	Drag and Drop unsupported file format (e.g. - Docx, Exe, pdf)		
3. Image Editing			
ID	Title		
C14	Applying Color Filters		
C15	Change Basic adjustments (Light, Color, Pop)		
C16	Change Aspect Ratio		
C17	Crop and Rotate		
C18	Undo Edits		

Screen shots of few Test cases:

Credential Validation - Correct E-mail and Correct Password					In section Authentication.
Type	Priority	Estimate	References	Details	
Functional	Critical	None	None	Tests & Results	
Steps				Defects	
Step		Expected Result		History	
1	Launch photos.google.com	Web site gets successfully loaded.		No attachments.	
2	Check that no user is signed in	Login page gets displayed prompting the user to enter their email or phone number.		Created	Karan Shah 3/25/2017 9:21 PM
3	Enter registered (correct) email address and click Next button	Email address will be verified and the user will be prompted to enter their account password.		Updated	Karan Shah 3/25/2017 9:40 PM
4	Enter correct password and click Sign in button	The user will be signed in and google photos home screen gets displayed.			

C13 Drag and Drop unsupported file format (e.g. - Docx, Exe, pdf)

Google Photos - Web Platform > Upload Media

Type	Priority	Estimate	References
Functional	Low	None	None

Preconditions

The user should be Signed In.

Steps

Step	Expected Result
1 Drag and Drop Multiple items having docx, exe, pdf extension from Laptop/Pc's folder to photos.google.com	"Upload skipped" - Message gets displayed. Uploaded items can not be found on photos.google.com.

Details

- Tests & Results
- Defects
- History
- No attachments.

People & Dates

Created	Karan Shah
3/25/2017 10:04 PM	

Updated	Karan Shah
3/25/2017 10:18 PM	

← Return to Dashboard

Team Project 1

Overview Todo Milestones Test Runs & Results Test Suites & Cases Reports

C8 Sign in using Phone number

Google Photos - Web Platform > Authentication

Type	Priority	Estimate	References
Other	Critical	None	None

Steps

Step	Expected Result
1 Launch photos.google.com	Web site gets successfully loaded.
2 Check that no user is signed in	Login page gets displayed prompting the user to enter their email or phone number.
3 Enter registered (correct) Phone number and click Next button	Password will be verified and the user will be prompted to enter their account password.
4 Enter correct password and click Sign in button	The user will be signed in and google photos home screen gets displayed.

← Return to Dashboard

Team Project 1

Overview Todo Milestones Test Runs & Results Test Suites & Cases Reports

C12 Upload Multiple images/videos

Google Photos - Web Platform > Upload Media

Type	Priority	Estimate	References
Functional	High	None	None

Preconditions

The user should be Signed In.

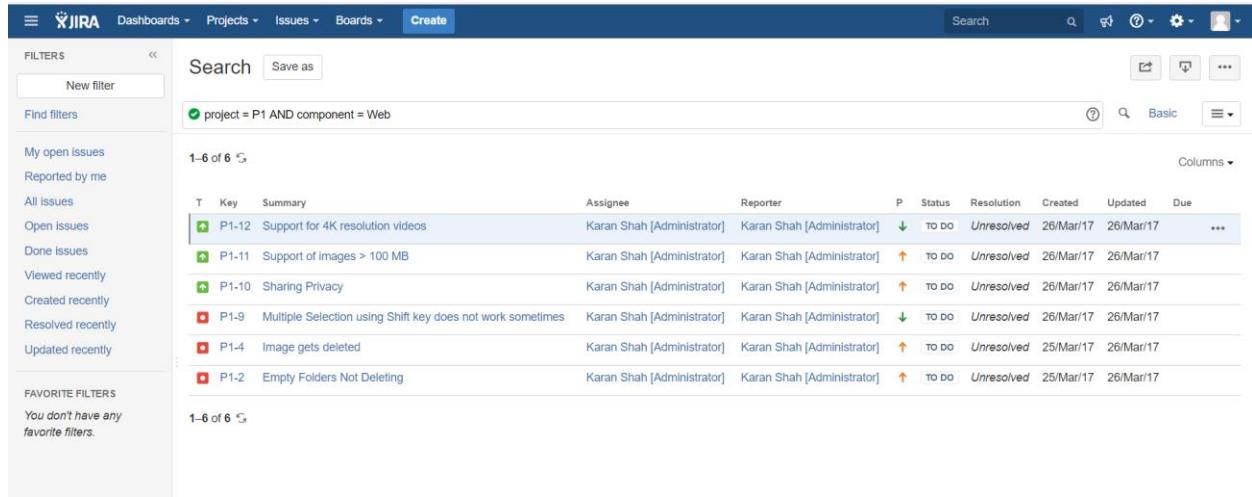
Steps

Step	Expected Result
1 Click on the upload button.	A window prompting the user to select and upload media gets displayed.
2 Select multiple images/videos (50 items) and click on "Open" button.	"50 items uploaded" - Message gets displayed. Uploaded images/videos can be found on photos.google.com

Defects/Bugs and Improvements

3 Defects and 3 improvements have been recorded in Jira for Web Platform. Below is the screen capture of few defects and improvements recorded in Jira.

-  ➔ Indicates improvements
-  ➔ Indicates bugs

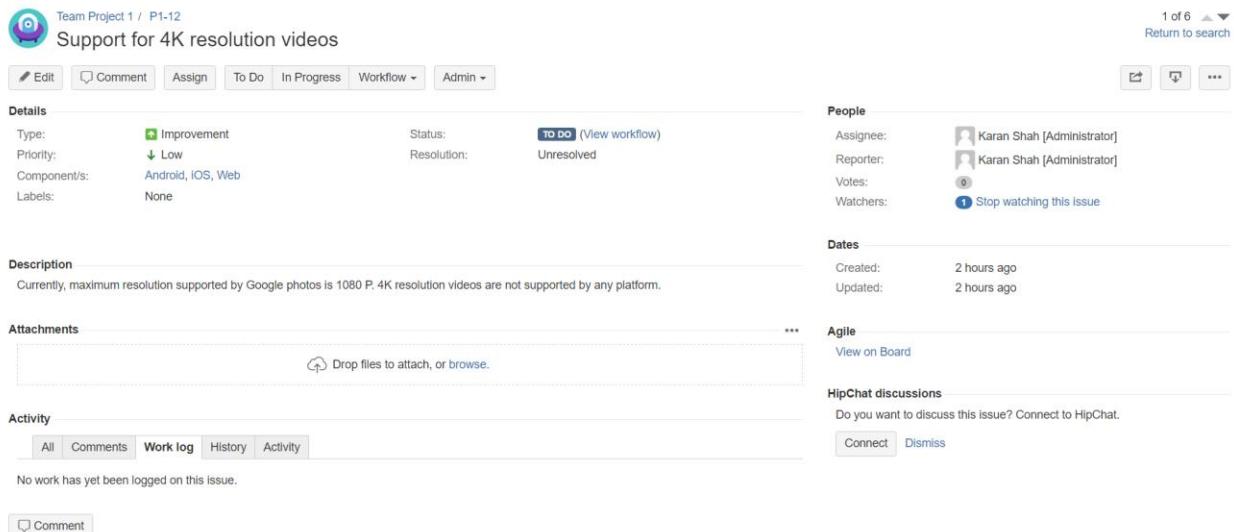


JIRA Issues Page Screenshot:

Search: project = P1 AND component = Web

T	Key	Summary	Assignee	Reporter	P	Status	Resolution	Created	Updated	Due
green	P1-12	Support for 4K resolution videos	Karan Shah [Administrator]	Karan Shah [Administrator]	down	To do	Unresolved	26/Mar/17	26/Mar/17	***
green	P1-11	Support of Images > 100 MB	Karan Shah [Administrator]	Karan Shah [Administrator]	up	To do	Unresolved	26/Mar/17	26/Mar/17	
green	P1-10	Sharing Privacy	Karan Shah [Administrator]	Karan Shah [Administrator]	up	To do	Unresolved	26/Mar/17	26/Mar/17	
red	P1-9	Multiple Selection using Shift key does not work sometimes	Karan Shah [Administrator]	Karan Shah [Administrator]	down	To do	Unresolved	26/Mar/17	26/Mar/17	
red	P1-4	Image gets deleted	Karan Shah [Administrator]	Karan Shah [Administrator]	up	To do	Unresolved	25/Mar/17	26/Mar/17	
red	P1-2	Empty Folders Not Deleting	Karan Shah [Administrator]	Karan Shah [Administrator]	up	To do	Unresolved	25/Mar/17	26/Mar/17	

Expanded view of few improvements and bugs.



Team Project 1 / P1-12
Support for 4K resolution videos

1 of 6 ▲ ▼ Return to search

Details

Type:	Improvement	Status:	TO DO (View workflow)
Priority:	Low	Resolution:	Unresolved
Component/s:	Android, iOS, Web		
Labels:	None		

Description
Currently, maximum resolution supported by Google photos is 1080 P. 4K resolution videos are not supported by any platform.

Attachments
Drop files to attach, or browse.

Activity

All Comments Work log History Activity

No work has yet been logged on this issue.

People

Assignee: Karan Shah [Administrator]
Reporter: Karan Shah [Administrator]
Votes: 0
Watchers: 1 Stop watching this issue

Dates

Created: 2 hours ago
Updated: 2 hours ago

Agile
View on Board

HipChat discussions
Do you want to discuss this issue? Connect to HipChat.
Connect Dismiss

Team Project 1 / P1-4
Image gets deleted

5 of 6 ▲▼ Return to search

[Edit](#) [Comment](#) [Assign](#) [To Do](#) [In Progress](#) [Workflow](#) [Admin](#)

[Print](#) [Download](#) [...](#)

Details

Type:	Bug	Status:	TO DO (View workflow)
Priority:	Medium	Resolution:	Unresolved
Component/s:	Web		
Labels:	None		

Description
Photo uploaded to Google Maps, Google Street Map are shown in photos.google.com and if you delete them, the photo in Google Maps are also deleted.

Attachments

Drop files to attach, or browse.

Activity

All Comments **Work log** History Activity

No work has yet been logged on this issue.

[Comment](#)

People

Assignee:	Karan Shah [Administrator]
Reporter:	Karan Shah [Administrator]
Votes:	0
Watchers:	Stop watching this issue

Dates

Created:	Yesterday
Updated:	2 hours ago

Agile
[View on Board](#)

HipChat discussions
Do you want to discuss this issue? Connect to HipChat.
[Connect](#) [Dismiss](#)

= X JIRA Dashboards Projects Issues Boards Create Search 2 of 6 ▲▼ Return to search

Team Project 1 / P1-11
Support of images > 100 MB

[Edit](#) [Comment](#) [Assign](#) [To Do](#) [In Progress](#) [Workflow](#) [Admin](#)

[Print](#) [Download](#) [...](#)

Details

Type:	Improvement	Status:	TO DO (View workflow)
Priority:	Medium	Resolution:	Unresolved
Component/s:	Android, iOS, Web		
Labels:	None		

Description
Currently, an image > 100 MB and > 16 MP is not supported by Google photos.

Attachments

Drop files to attach, or browse.

Activity

All Comments **Work log** History Activity

No work has yet been logged on this issue.

[Comment](#)

People

Assignee:	Karan Shah [Administrator]
Reporter:	Karan Shah [Administrator]
Votes:	0
Watchers:	Stop watching this issue

Dates

Created:	2 hours ago
Updated:	2 hours ago

Agile
[View on Board](#)

HipChat discussions
Do you want to discuss this issue? Connect to HipChat.
[Connect](#) [Dismiss](#)

Team Project 1 / P1-9

Multiple Selection using Shift key does not work sometimes

Edit Comment Assign To Do In Progress Workflow Admin

Details

Type:	Bug	Status:	TO DO (View workflow)
Priority:	Low	Resolution:	Unresolved
Component/s:	Web		
Labels:	None		

Description

Check mark a photo and hold the shift and check mark another photo.
It works perfectly fine sometimes and sometimes it behaves differently.

Attachments

Drop files to attach, or browse.

Dates

Created: 5 hours ago
Updated: 2 hours ago

People

Assignee: Karan Shah [Administrator]
Reporter: Karan Shah [Administrator]
Votes:
Watchers: Stop watching this issue

Agile

View on Board

HipChat discussions

Do you want to discuss this issue? Connect to HipChat.

Connect Dismiss

All Comments Work log History Activity

No work has yet been logged on this issue.

Comment

Google Photos – Android Platform

Below is the screen shot of the **Report exported from Test Rail** which indicated **3 components** selected for Android Platform and its test cases.

Secure | https://karanshah.testrail.net/index.php?/suites/plot/4&format=outline

S4: Google Photos - Android Platform

Outline Print Close

1. Deleting and Restore Operations

ID	Title
C19	Deleting Media from Application
C20	Restoring Media from Bin
C21	Deleting Media only from Device memory
C22	Permanently Delete Media
C23	Deleting Shared Album

2. Backup and Sync Operations

ID	Title
C24	Auto-Backup and Sync Turned Off
C25	Auto-Backup and Sync Turned On
C26	Mobile Data Restriction - Sync allowed
C27	Mobile Data Restriction - Sync not allowed
C28	Auto-Backup Restriction (Charging Only)

3. Creating Movie- Assistance

ID	Title
C29	Creating a Movie (only using images)
C30	Selecting more than 50 images while creating movie
C31	Create movie (using images+videos)
C32	Export Video
C33	Editing Created Movie

C20 Restoring Media from Bin

Google Photos - Android Platform > Deleting and Restore Operations

Type	Priority	Estimate	References
Functional	Low	None	None

Preconditions

1. User should be Signed In
2. There must have been at least one deleted Image/Video

Steps

Step	Expected Result
1 Go to the "Bin" Section of the Application	View all deleted media.
2 Perform long click on media to restore.	The toolbar will show different options
3 Click on the Restore icon	1. "Item has been restored" - Message will be displayed. 2. The media will have moved to its original position.

Details

- Tests & Results
- Defects
- History
- No attachments.

People & Dates

- Created Karan Shah 3/26/2017 12:02 AM
- Updated Karan Shah 3/26/2017 12:42 AM

C24 Auto-Backup and Sync Turned Off

Google Photos - Android Platform > Backup and Sync Operations

Type	Priority	Estimate	References
Functional	Low	None	None

Preconditions

1. Backup and Sync option should be turned off.

Steps

Step	Expected Result
1 Take a picture with device camera.	Captured picture gets stored in device memory.
2 Check the photos.google.com	Captured image is not present in the cloud or google photos application.

Details

- Tests & Results
- Defects
- History
- No attachments.

People & Dates

- Created
- Updated

← Return to Dashboard

Team Project 1

Overview Todo Milestones Test Runs & Results Test Suites & Cases Reports Administration

C29 | Creating a Movie (only using images)

Google Photos - Android Platform > Creating Movie- Assistance

Type	Priority	Estimate	References
Functional	Low	None	None

Preconditions

1. User should be signed in
2. The user should have more than one image in the application.

Steps

Step	Expected Result
1 Go to the Assistant tab	The different Assistant options will get displayed.
2 Click on the Movie button	All images and videos stored in photos.google.com will get displayed.
3 Select 3 images and Click on Create button	Video using the three images selected will be created.

In section Creating Movie-Assistance.

Details
Tests & Results
Defects
History
No attachments.
People & Dates
Created Karan Shah 3/26/2017 3:00 AM
Updated Karan Shah 3/26/2017 3:07 AM

← Return to Dashboard

Team Project 1

Overview Todo Milestones Test Runs & Results Test Suites & Cases Reports Administration

C19 | Deleting Media from Application

Google Photos - Android Platform > Deleting and Restore Operations

Type	Priority	Estimate	References
Other	Medium	None	None

Preconditions

1. User should be Signed In
2. The application should have at least one Image/Video/Movie etc.

Steps

Step	Expected Result
1 Perform long click on the media	The toolbar will show different options
2 Click on the delete icon	The selected media will be moved to Bin

In section Deleting and Restore Operations.

Details
Tests & Results
Defects
History
No attachments.
People & Dates
Created Karan Shah 3/25/2017 11:58 PM
Updated Karan Shah 3/26/2017 12:10 AM

Defects/Bugs and Improvements

3 Defects and 3 improvements have been recorded in Jira for Android Platform. Below is the screen capture of few defects and improvements recorded in Jira.



⇒ Indicates improvements



⇒ Indicates bugs

JIRA Dashboard

FILTERS

Search Save as

project = P1 AND component = Android

1–6 of 6

T	Key	Summary	Assignee	Reporter	P	Status	Resolution	Created	Updated	Due
bug	P1-12	Support for 4K resolution videos	Karan Shah [Administrator]	Karan Shah [Administrator]	↓	To do	Unresolved	26/Mar/17	26/Mar/17	...
bug	P1-11	Support of images > 100 MB	Karan Shah [Administrator]	Karan Shah [Administrator]	↑	To do	Unresolved	26/Mar/17	26/Mar/17	
bug	P1-10	Sharing Privacy	Karan Shah [Administrator]	Karan Shah [Administrator]	↑	To do	Unresolved	26/Mar/17	26/Mar/17	
bug	P1-5	Application Crashes on creating movie (Custom movie mov extension + image)	Karan Shah [Administrator]	Karan Shah [Administrator]	↑	To do	Unresolved	26/Mar/17	26/Mar/17	
bug	P1-3	Application Crash during Search Operation	Karan Shah [Administrator]	Karan Shah [Administrator]	↑	To do	Unresolved	25/Mar/17	26/Mar/17	
bug	P1-1	Unexpected Application Crash	Karan Shah [Administrator]	Karan Shah [Administrator]	↑	To do	Unresolved	25/Mar/17	26/Mar/17	

1–6 of 6

Team Project 1 / P1-3

Application Crash during Search Operation

Edit Comment Assign To Do In Progress Workflow Admin

5 of 6 Return to search

Details

Type:	Bug	Status:	TO DO (View workflow)
Priority:	Medium	Resolution:	Unresolved
Component/s:	Android		
Labels:	None		

Description

While performing the search operation by entering person's name displays all images of that person. After the results are shown, by entering "and + (any word)" will result in the application crashing. Recorded video is attached.

Attachments

bug.mp4 Yesterday 7.66 MB

People

Assignee:	Karan Shah [Administrator]
Reporter:	Karan Shah [Administrator]
Votes:	0
Watchers:	Stop watching this issue

Dates

Created:	Yesterday
Updated:	2 hours ago

Agile

View on Board

HipChat discussions

Do you want to discuss this issue? Connect to HipChat.

Connect Dismiss

Team Project 1 / P1-1
Unexpected Application Crash

6 of 6 ▲ ▼
Return to search

[Edit](#) [Comment](#) [Assign](#) [To Do](#) [In Progress](#) [Workflow](#) [Admin](#)

Details

Type:	Bug	Status:	TO DO (View workflow)
Priority:	Medium	Resolution:	Unresolved
Component/s:	Android		
Labels:	None		

Description
While resuming the operation or while going back app crashes sometimes.

Attachments

Drop files to attach, or browse.



2017_03_25_19_27_39.mp
Yesterday 6.22 MB

People

Assignee:	Karan Shah [Administrator]
Reporter:	Karan Shah [Administrator]
Votes:	0
Watchers:	Stop watching this issue

Dates

Created:	Yesterday
Updated:	2 hours ago

Agile
[View on Board](#)

HipChat discussions
Do you want to discuss this Issue? Connect to HipChat.
[Connect](#) [Dismiss](#)

Team Project 1 / P1-10
Sharing Privacy

3 of 6 ▲ ▼
Return to search

[Edit](#) [Comment](#) [Assign](#) [To Do](#) [In Progress](#) [Workflow](#) [Admin](#)

Details

Type:	Improvement	Status:	TO DO (View workflow)
Priority:	Medium	Resolution:	Unresolved
Component/s:	Android, IOS, Web		
Labels:	None		

Description
Owner creates a shared album and generates a link. All users added by the owner should only be able to view media in the shared album.
Currently, any person even if not invited by the owner, is able to view the album with the link created.

Attachments

Drop files to attach, or browse.

Activity

All Comments Work log History Activity

No work has yet been logged on this issue.

[Comment](#)

Google Photos – iOS Platform

Below is the screen shot of the **Report exported from Test Rail** which indicated **3 components** selected for iOS Platform and its test cases.

S5: Google Photos - IOS Platform	
1. Automatic Categorization of Media	
ID	Title
C34	Grouping of images according to "Place".
C35	Identifying "things" from an image.
C36	Identifying all persons in an image.
C37	Grouping of videos, animations and collages in respective folders
C38	Display all images and videos in which a person appears
2. Sharing and Collaboration	
ID	Title
C39	Creating a shared album
C40	Deleting shared album
C41	Collaboration Option - Turned On
C42	Collaboration Option - Turned Off
C43	Stop Sharing Shared Album
3. Collage and Animations (GIF)	
ID	Title
C44	Creating a Collage
C45	Creating an Animation
C46	Select 10 photos while creating Collage
C47	Select 51 images while creating Animation
C48	Deleting Animation/Collage from Device memory



Team Project 1 - JIRA | Issue navigator - JIRA | Grouping of images according to "Place".

Secure | https://karanshah.testrail.net/index.php?/cases/view/34&group_by=cases.section_id&group_order=asc&group_id=18

Karan Shah

Working On - Karan Shah - Help & Feedback

Team Project 1

Overview Todo Milestones Test Runs & Results Test Suites & Cases Reports Administration

C34| Grouping of images according to "Place".

Google Photos - iOS Platform > Automatic Categorization of Media

Type Functional Priority Medium Estimate None References None

Steps

Step	Expected Result
1 Take a picture with device camera.	Captured picture gets stored in device memory and gets synced
2 Check the Places folder	The synced picture will be placed in a folder based on the current location(eg. San Jose, Milpitas,

In section Automatic Categorization of Media.

Details

Tests & Results

Defects

History

No attachments.

People & Dates

Created Karan Shah 3/26/2017 3:49 AM

Updated Karan Shah 3/26/2017 3:56 AM

Places

San Jose Milpitas Sunnyvale

Oh, the places you'll see.
The more photos you take, the more places you'll see here.

Create a project Add cases Start a run Add results Invite users Set up integration

Ask me anything

7:34 PM 3/26/2017

Team Project 1 - JIRA | Issue navigator - JIRA | Collaboration Option - T | Karan

← Return to Dashboard | https://karanshah.testrail.net/index.php?/cases/view/41&group_by=cases.section_id&group_order=asc&group_id=19 | Working On - | Karan Shah - | Help & Feedback | Edit | In section Sharing and Collaboration.

Team Project 1

- Overview Todo Milestones Test Runs & Results Test Suites & Cases Reports Administration

C41 | Collaboration Option - Turned On

Google Photos - iOS Platform > Sharing and Collaboration

Type	Priority	Estimate	References
Functional	Medium	None	None

Preconditions

1. There should at least be one shared folder.
2. Collaboration option should be turned on for the shared folder.

Steps

Step	Expected Result
1 Click on the overflow menu and select sharing options	Different sharing options get listed.
2 Copy the link and send it to collaborator	Collaborator joins the shared album
3 Collaborator adds pictures to the shared album.	New picture appear in the shared album.

Details

- Tests & Results
- Defects
- History
- No attachments.
- People & Dates

Created: Karan Shah 3/26/2017 4:12 AM
Updated: Karan Shah 3/26/2017 4:37 AM

7:35 PM 3/26/2017

Team Project 1 - JIRA | Issue navigator - JIRA | Display all images and v... | Karan

← Return to Dashboard | https://karanshah.testrail.net/index.php?/cases/view/38&group_by=cases.section_id&group_order=asc&group_id=18 | Working On - | Karan Shah - | Help & Feedback | Edit | In section Automatic Categorization of Media.

Team Project 1

- Overview Todo Milestones Test Runs & Results Test Suites & Cases Reports Administration

C38 | Display all images and videos in which a person appears

Google Photos - iOS Platform > Automatic Categorization of Media

Type	Priority	Estimate	References
Functional	Low	None	None

Steps

Step	Expected Result
1 Go to the People folder	All the persons in the pictures will be shown
2 Click on any of the persons appearing in the list	Any picture in which the person appears will be displayed

Details

- Tests & Results
- Defects
- History
- No attachments.
- People & Dates

Created: Karan Shah 3/26/2017 3:51 AM
Updated: Karan Shah 3/26/2017 4:05 AM

7:35 PM 3/26/2017

--> Return to Dashboard

Team Project 1

Overview Todo Milestones Test Runs & Results Test Suites & Cases Reports Administration

C46 | Select 10 photos while creating Collage

Google Photos - iOS Platform > Collage and Animations (GIF)

Type	Priority	Estimate	References
Functional	Low	None	None

Preconditions

1. User should be signed in
2. The user should have more than 10 images in the application.

Steps

Step	Expected Result
1 Go to the Assistant tab	The different Assistant options will get displayed.
2 Click on the Collage button	All images and videos stored in photos.google.com will get displayed.
3 Select 10 Images.	"Create" button to create a collage will be disappeared.

In section Collage and Animations (GIF).

Details
Tests & Results
Defects
History
No attachments.
People & Dates
Created Karan Shah 3/26/2017 4:52 AM
Updated Karan Shah 3/26/2017 5:01 AM

Defects/Bugs and Improvements

3 Defects and 3 improvements have been recorded in Jira for iOS Platform. Below is the screen capture of few defects and improvements recorded in Jira.

-  → Indicates improvements
-  → Indicates bugs

Team Project 1 - JIRA Issue navigator - JIRA Select 10 photos while c...

Secure | https://karanshah.atlassian.net/issues/?jql=project%20%3D%20P1%20AND%20component%20%3D%20iOS

JIRA Dashboards Projects Issues Boards Create Search

FILTERS <>
New filter
Find filters

My open issues
Reported by me
All issues
Open issues
Done issues
Viewed recently
Created recently
Resolved recently
Updated recently

FAVORITE FILTERS
You don't have any favorite filters.

Search Save as
project = P1 AND component = iOS

1–6 of 6 Columns ▾

P1-12	Key	Summary	Assignee	Reporter	P	Status	Resolution	Created	Updated	Due
P1-12	Support for 4K resolution videos	Karan Shah [Administrator]	Karan Shah [Administrator]	Karan Shah [Administrator]	↓	To Do	Unresolved	26/Mar/17	26/Mar/17	...
P1-11	Support of Images > 100 MB	Karan Shah [Administrator]	Karan Shah [Administrator]	Karan Shah [Administrator]	↑	To Do	Unresolved	26/Mar/17	26/Mar/17	...
P1-10	Sharing Privacy	Karan Shah [Administrator]	Karan Shah [Administrator]	Karan Shah [Administrator]	↑	To Do	Unresolved	26/Mar/17	26/Mar/17	...
P1-8	Duration of video Incorrect	Karan Shah [Administrator]	Karan Shah [Administrator]	Karan Shah [Administrator]	↑	To Do	Unresolved	26/Mar/17	26/Mar/17	...
P1-7	Image timestamp issue	Karan Shah [Administrator]	Karan Shah [Administrator]	Karan Shah [Administrator]	↑	To Do	Unresolved	26/Mar/17	26/Mar/17	...
P1-6	Backup/Sync not working in background (iPhone 5)	Karan Shah [Administrator]	Karan Shah [Administrator]	Karan Shah [Administrator]	↑	To Do	Unresolved	26/Mar/17	26/Mar/17	...

1–6 of 6

Windows Ask me anything 7:36 PM 3/26/2017

Team Project 1 - JIRA [P1-7] Image timestamp x Karan

Secure | https://karanshah.atlassian.net/browse/P1-7|ql=project%20%3D%20P1%20AND%20component%20%3D%20iOS

JIRA Dashboards Projects Issues Boards Create Search

Team Project 1 / P1-7 Image timestamp issue

Image timestamp issue

Edit Comment Assign To Do In Progress Workflow Admin

Details

Type:	Bug	Status:	TO DO (View workflow)
Priority:	Medium	Resolution:	Unresolved
Component/s:	iOS		
Labels:	None		

People

Assignee:	Karan Shah [Administrator]
Reporter:	Karan Shah [Administrator]
Votes:	0
Watchers:	1 Stop watching this issue

Description

Sometimes the application shows incorrect time stamp (time and date) of the image uploaded.

Attachments

Drop files to attach, or browse.

Activity

All Comments Work log History Activity

No work has yet been logged on this issue.

Comment

Powered by Atlassian | Terms of use | Answers | Maintenance schedule | 7:37 PM 3/26/2017

Team Project 1 - JIRA [P1-8] Duration of video x [P1-6] Backup/Sync not x Karan

Secure | https://karanshah.atlassian.net/browse/P1-8|ql=project%20%3D%20P1%20AND%20component%20%3D%20video

JIRA Dashboards Projects Issues Boards Create Search

Team Project 1 / P1-8 Duration of video Incorrect

Duration of video Incorrect

Edit Comment Assign To Do In Progress Workflow Admin

Details

Type:	Bug	Status:	TO DO (View workflow)
Priority:	Medium	Resolution:	Unresolved
Component/s:	iOS		
Labels:	None		

People

Assignee:	Karan Shah [Administrator]
Reporter:	Karan Shah [Administrator]
Votes:	0
Watchers:	1 Stop watching this issue

Description

In few videos, the actual duration and duration shown on the thumbnail were different. In one case, actual video was of 1min 36 sec while the thumbnail indicated it to be 1min 25 sec. This is not the case with every video uploaded.

Attachments

Drop files to attach, or browse.

Activity

All Comments Work log History Activity

No work has yet been logged on this issue.

Comment

Powered by Atlassian | Terms of use | Answers | Maintenance schedule | 7:37 PM 3/26/2017

Team Project 1 - JIRA Issue navigator - JIRA [P1-8] Duration of video [P1-6] [P1-6] Backup/Sync not working in background (iPhone 5)

Secure | https://karanshah.atlassian.net/browse/P1-6

Karan

JIRA Dashboards Projects Issues Boards Create

Team Project 1 / P1-6 Backup/Sync not working in background (iPhone 5)

Edit Comment Assign To Do In Progress Workflow Admin

Details

Type:	Bug	Status:	TO DO (View workflow)
Priority:	High	Resolution:	Unresolved
Component/s:	iOS		
Labels:	None		
Environment:	Device: iPhone 5		

Description
Media on the iPhone does not get synced with google photos app if the app is closed. It only backups the images and videos when the app is in use. Click to edit

Attachments
Drop files to attach, or browse.

Activity
All Comments Work log History Activity

No work has yet been logged on this issue.

Comment

People

Assignee: Karan Shah [Administrator]
Reporter: Karan Shah [Administrator]
Votes: 0
Watchers: 1 Stop watching this issue

Dates

Created: 17 hours ago
Updated: 2 hours ago

Agile
View on Board

HipChat discussions
Do you want to discuss this issue? Connect to HipChat.
Connect Dismiss

Screenshot Added
A screenshot was added to your Dropbox.
Dropbox

This screenshot shows a JIRA issue page for a bug titled "Backup/Sync not working in background (iPhone 5)". The issue is categorized as a Bug, priority High, and status TO DO. It's assigned to Karan Shah and has no resolution. The environment is specified as Device: iPhone 5. The description notes that media sync issues occur when the app is closed. There are no attachments or activity logs. A HipChat integration shows a recent message from Dropbox about a screenshot being added. The browser taskbar at the bottom shows various open tabs and system icons.

Test Schedules and Deliverables

Test Schedule and Deliverables:

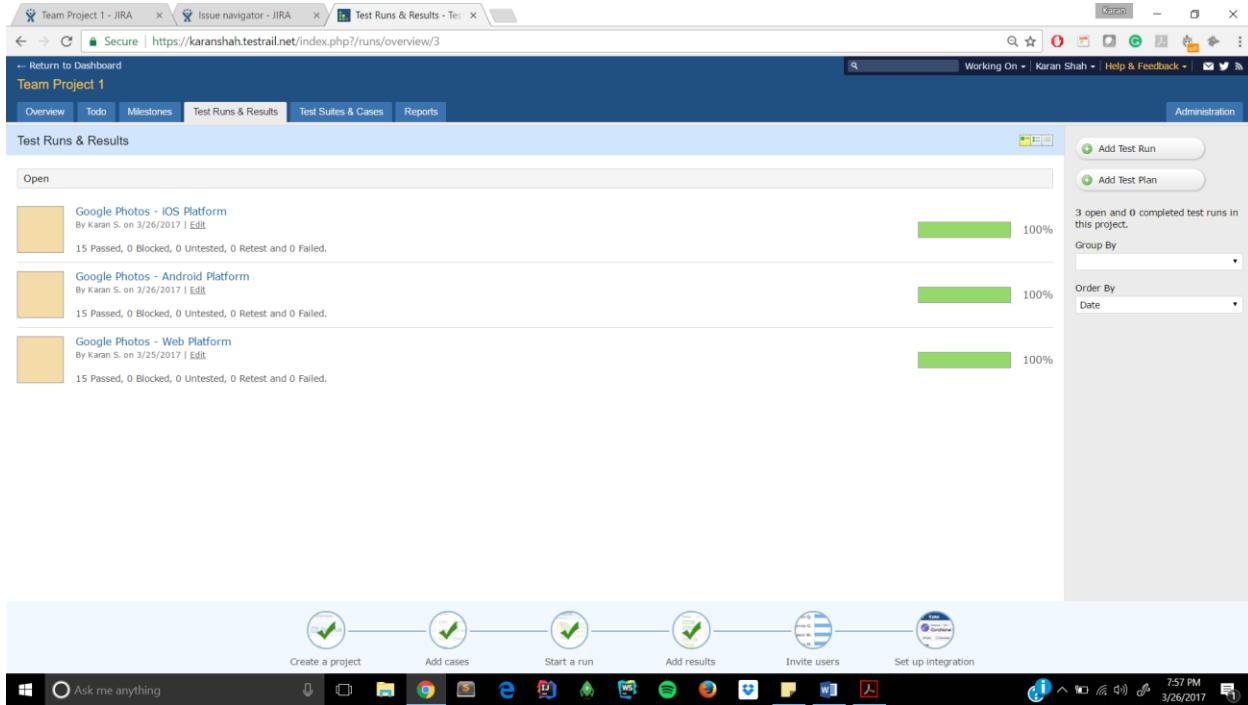
Test Schedule	Deliverable
3/3/2017- 3/7/2017	<ul style="list-style-type: none">➤ Discussion on the scope of the project.➤ Identifying the test requirements.➤ Identifying the test tools and environments.➤ Platform requirements.➤ Delegation of tasks.
3/7/2017- 3/11/2017	<ul style="list-style-type: none">➤ Verify the Test environment for each platform.➤ Verifying the testing tools setup.➤ Identifying the 3 important components from each platform to be tested.➤ Discussion on potential test cases from each platform.
3/11/2017-3/14/2017	<ul style="list-style-type: none">➤ Identifying 5 test cases each to be tested against the 3 components from each of the platforms.➤ Discussing the test cases with the team members to identify improvements.➤ Verifying that the entry criteria have been fulfilled.
3/14/2017- 3/18/2017	<ul style="list-style-type: none">➤ Performing the tests across different platforms using TestRail.➤ Ensuring full coverage of tests.➤ Recording of the bugs/defects in JIRA.➤ Record the potential improvements that can be made in JIRA and assign responsibility to a team member.
3/18/2017- 3/22/2017	<ul style="list-style-type: none">➤ Ensuring that the exit criteria have been met.➤ Discussing the results of the testing phase with the team.➤ Generating Test Graph.➤ Final report documentation.

Test Summary

- Three platforms were selected for testing: Android, iOS and Web.
- We ensured that the entry and exit criteria for testing across all platforms were met.
- For all three platforms: Android, iOS and web, 3 components were selected.
- 5 test cases were defined for each component
- Test results across different platforms were discussed with the team and reported to the QA lead.
- The defects/bugs were recorded in JIRA.
- Improvement that can be made were recorded.
- Test results and graphs were generated.

Test Results and Graphs:

Screen shots of Graphs and results generated using Test Rail:



Team Project 1 - JIRA | Issue navigator - JIRA | Google Photos - iOS Platform

Secure | https://karanshah.testrail.net/index.php?/runs/view/5&group_by=cases:section_id&group_order=asc

Working On - Karan Shah | Help & Feedback

Team Project 1

Overview Todo Milestones Test Runs & Results Test Suites & Cases Reports Administration

R5 Google Photos - iOS Platform

15 Passed (100% set to Passed)
0 Blocked (0% set to Blocked)
0 Retest (0% set to Retest)
0 Failed (0% set to Failed)

100% passed
0 / 15 untested (0%).

T33 Grouping of images according to "Place".

Type	Priority	Estimate	References
Functional	Medium	None	None

Steps

- Take a picture with device camera.
Expected Result
Captured picture gets stored in device memory and gets synced
- Check the Places folder
Expected Result
The synced picture will be placed in a folder based on the current location(e.g.

Automatic Categorization of Media (5)

ID	Title	Status
T33	Grouping of images according to "Place".	Passed
T34	Identifying "things" from an image.	Passed
T35	Identifying all persons in an image.	Passed
T36	Grouping of videos, animations and collages in respective folders	Passed
T37	Display all images and videos in which a person appears	Passed

Sharing and Collaboration (5)

ID	Title	Status
	Create a project	Completed
	Add cases	Completed
	Start a run	Completed
	Add results	Completed
	Invite users	Completed
	Set up integration	Completed

Ask me anything

Google Photos - iOS Platform - TestRail - Google Chrome

Secure | https://karanshah.testrail.net/index.php?/runs/plot/5&format=details

Print Close

Details

R5: Google Photos - iOS Platform

Created On: 3/26/2017

Completed: No

Passed	Blocked	Untested	Retest	Failed
100% (15/15)	0% (0/15)	0% (0/15)	0% (0/15)	0% (0/15)

1. Automatic Categorization of Media

T33: Grouping of images according to "Place".

Status	Type	Priority	Estimate
Passed	Functional	Medium	None

References: None

Steps

Step
1 Take a picture with device camera.
2 Check the Places folder
Expected Result
Captured picture gets stored in device memory and gets synced
The synced picture will be placed in a folder based on the current location(e.g. San Jose, Milpitas, Sunnyvale)

Oh, the places you'll see
The more photos you take, the more places you'll see here

Ask me anything

Team Project 1 - JIRA | Issue navigator - JIRA | Google Photos - Android Platform

Secure | https://karanshah.testrail.net/index.php/runs/view/4&group_by=cases:section_id&group_order=asc

Working On - Karan Shah | Help & Feedback

Return to Dashboard | Team Project 1 | Overview | Todo | Milestones | Test Runs & Results | Test Suites & Cases | Reports | Administration

R4 Google Photos - Android Platform | Reports | Run | Edit | Suite

T18 Deleting Media from Application

Type: Other, Priority: Medium, Estimate: None, References: None

Created by Karan Shah on 3/26/2017.

Preconditions:

1. User should be Signed In
2. The application should have at least one Image/Video/Movie etc.

Steps:

1. Perform long click on the media
Expected Result:
The toolbar will show different options
2. Click on the delete icon
Expected Result:
The selected media will be moved to Bin

Results & Comments:

Add a comment...

Passed: This test was marked as 'Passed'.
3/26/2017 7:01 AM Karan S. Edit

Steps:

1. Perform long click on the media

Backup and Sync Operations (5):

ID	Title	Status
T18	Deleting Media from Application	Passed
T19	Restoring Media from Bin	Passed
T20	Deleting Media only from Device memory	Passed
T21	Permanently Delete Media	Passed
T22	Deleting Shared Album	Passed

Deleting and Restore Operations (5):

ID	Title	Status
	Create a project	Passed
	Add cases	Passed
	Start a run	Passed
	Add results	Passed
	Invite users	Passed
	Set up integration	Passed

Ask me anything

Google Photos - Android Platform - TestRail - Google Chrome

Secure | https://karanshah.testrail.net/index.php/runs/plot/4&format=details

Completed

Passed 100% (15/15) **Blocked** 0% (0/15) **Untested** 0% (0/15) **Retest** 0% (0/15) **Failed** 0% (0/15)

1. Deleting and Restore Operations

T18: Deleting Media from Application

Status: Passed **Type:** Other **Priority:** Medium **Estimate:** None

Preconditions:

1. User should be Signed In
2. The application should have at least one Image/Video/Movie etc.

Steps:

1. Perform long click on the media
Expected Result:
The toolbar will show different options
2. Click on the delete icon
Expected Result:
The selected media will be moved to Bin

Results:

This test was marked as 'Passed'.
Karan S. 3/26/2017 7:01 AM

Steps:

1. Perform long click on the media
2. Click on the delete icon

Expected Result:
The toolbar will show different options

Expected Result:
The selected media will be moved to Bin

Ask me anything

Team Project 1 - JIRA | Issue navigator - JIRA | Google Photos - Web Platform

Secure | https://karanshah.testrail.net/index.php?runs/view/3&group_by=cases:section_id&group_order=asc

Working On - Karan Shah | Help & Feedback

← Return to Dashboard | Team Project 1 | Overview | Todo | Milestones | Test Runs & Results | Test Suites & Cases | Reports | Administration

R3 Google Photos - Web Platform

15 Passed (100% set to Passed)
0 Blocked (0% set to Blocked)
0 Retest (0% set to Retest)
0 Failed (0% set to Failed)

100% passed
0 / 15 untested (0%).

Steps

- 1 Launch photos.google.com
Expected Result
Web site gets successfully loaded.
- 2 Check that no user is signed in
Expected Result
Login page gets displayed prompting the user to enter their email or phone number.
- 3 Enter registered (correct) email address and click Next button
Expected Result
Email address will be verified and the user will be prompted to enter their account password.
- 4 Enter correct password and click Sign in button
Expected Result
The user will be signed in and google photos home screen gets displayed.

Results & Comments

Add a comment ...

Authentications (5)

ID	Title	Status
T3	Credential Validation - Correct E-mail and Correct Password	Passed
T4	Credential Validation - Correct E-mail and Incorrect Password	Passed
T5	Sign in without having an account	Passed
T6	Sign in without entering E-mail (Blank Field)	Passed
T7	Sign in using Phone number	Passed

Upload Media (5)

ID	Title	Status
	Create a project	Passed
	Add cases	Passed
	Start a run	Passed
	Add results	Passed
	Invite users	Passed
	Set up integration	Passed

Ask me anything

Google Photos - Web Platform - TestRail - Google Chrome

Secure | https://karanshah.testrail.net/index.php?runs/plot/3&format=outline

Print | Close

R3: Google Photos - Web Platform

Created On: 3/25/2017

Completed: No

Passed **Blocked** **Untested** **Retest** **Failed**

1. Authentication

ID	Title	Assigned To	Status
T3	Credential Validation - Correct E-mail and Correct Password	Karan S.	Passed
T4	Credential Validation - Correct E-mail and Incorrect Password	Karan S.	Passed
T5	Sign in without having an account	Karan S.	Passed
T6	Sign in without entering E-mail (Blank Field)	Karan S.	Passed
T7	Sign in using Phone number	Karan S.	Passed

2. Upload Media

ID	Title	Assigned To	Status
T8	Drag and Drop a single image/video	Karan S.	Passed
T9	Drag and Drop multiple images/videos	Karan S.	Passed
T10	Upload Single image/video	Karan S.	Passed
T11	Upload Multiple images/videos	Karan S.	Passed
T12	Drag and Drop unsupported file format (e.g. - Docx, Exe, pdf)	Karan S.	Passed

3. Image Editing

ID	Title	Assigned To	Status
T13	Applying Color Filters	Karan S.	Passed
T14	Change Basic adjustments (Light, Color, Pop)	Karan S.	Passed
T15	Change Aspect Ratio	Karan S.	Passed
T16	Crop and Rotate	Karan S.	Passed

Ask me anything

Team Project 1 - JIRA Issue navigator - JIRA Credential Validation - C

Secure | https://karanshah.testrail.net/index.php?tests/view/3&group_by=cases:section_id&group_order=asc&group_id=11

Working On | Karan Shah | Help & Feedback | Twitter

Team Project 1

Overview | Todo | Milestones | Test Runs & Results | Test Suites & Cases | Reports

Credential Validation - Correct E-mail and Correct Password

Google Photos - Web Platform - Authentication

Type	Priority	Estimate	References
Functional	Critical	None	None

Steps

Step	Expected Result
1 Launch photos.google.com	Web site gets successfully loaded.
2 Check that no user is signed in	Login page gets displayed prompting the user to enter their email or phone number.
3 Enter registered (correct) email address and click Next button	Email address will be verified and the user will be prompted to enter their account password.
4 Enter correct password and click Sign in button	The user will be signed in and google photos home screen gets displayed.

Results & Comments | History & Context | Defects

Add a comment ...

Passed

3/25/2017 10:47 PM Karan S.

Steps

Step	Expected Result
1 Launch photos.google.com	Web site gets successfully loaded.
2 Check that no user is signed in	Login page gets displayed prompting the user to enter their email or phone number.
3 Enter registered (correct) email address and click Next button	Email address will be verified and the user will be prompted to enter their account password.
4 Enter correct password and click Sign in button	The user will be signed in and google photos home screen gets displayed.

Create a project Add cases Start a run Add results Invite users Set up integration

Ask me anything

Team Project 1 - JIRA Issue navigator - JIRA Runs (Summary) - TestRi

Secure | https://karanshah.testrail.net/index.php?reports/view/2

Working On | Karan Shah | Help & Feedback | Twitter

Team Project 1

Overview | Todo | Milestones | Test Runs & Results | Test Suites & Cases | Reports

View Report

Runs (Summary)

Project: Team Project 1
By Karan Shah - 3/26/2017 7:11 AM

100% passed

0 / 45 untested (0%)

Test Runs

Sunday, March 26, 2017

Google Photos - iOS Platform	100%
Google Photos - Android Platform	100%

Saturday, March 25, 2017

Google Photos - Web Platform	100%
------------------------------	------

Activity

3/20/2017 – 3/26/2017:

46 Passed	100% set to Passed
0 Blocked	0% set to Blocked
0 Retest	0% set to Retest
0 Failed	0% set to Failed

Create a project Add cases Start a run Add results Invite users Set up integration

Ask me anything

Team Members

Members:

1. Amit Sharma
2. Apoorv Patel
3. Karan Shah (QA Lead)
4. Saurabh Gedam

Roles and Responsibilities:

Member	Roles	Responsibilities
Amit Sharma	Web App Testing	<ul style="list-style-type: none">➤ Setup the environment for the testing of the web app.➤ Collaborate on identifying the components for the testing of the web app.➤ Collaborate on designing test cases for web app testing.➤ Collaborate on implementing the test cases.➤ Log the test case results in the TestRail.
Apoorv Patel	iOS Testing	<ul style="list-style-type: none">➤ Setup the environment for the testing of the application on iOS platform.➤ Design Test cases for testing iOS app.➤ Execute the test cases.➤ Log the results and improvements on TestRail.
Karan Shah	Web App Testing and Task lead	<ul style="list-style-type: none">➤ Verify the components and test cases across all platforms.➤ Collaborate on identifying the components for the testing of the web app.➤ Collaborate on designing test cases for web platform.➤ Verify the test results from iOS and Android platform in TestRail.
Saurabh Gedam	Android Testing	<ul style="list-style-type: none">➤ Setup the environment for the testing of the app on the Android platform.➤ Identify Android app components to be tested➤ Design Test cases for the Android app.➤ Execute the test cases for Android app.➤ Log the results and improvements on TestRail.

Conclusion

- After extensive testing and deliberation, the team found a total of **9 defects with the service across 3 platforms.**
- The bugs were recorded and assigned to the appropriate team member in JIRA.
- The team also recorded three potential improvements for all platforms that can be implemented to make the service more effective.
- The team tested 9 components across 3 platforms against a total of 45 test cases which were recorded in the TestRail.