

Android App Manual Testing Guide

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1. Photo Management by Criteria

Test Objective

Verify the app supports automatic album generation based on time, location, and tags, as well as manual creation, copying, and moving photos between albums.

Test Steps

Step	Action	Expected Result
1	Launch the app and import multiple photos with different timestamps, locations, and tags	Photos imported successfully with complete metadata
2	Check the automatically generated albums (by time, location, tags)	Auto albums correctly generated with corresponding photos
3	Manually create a new album named "Test Album"	New album created and displayed in album list
4	Manually add selected photos to "Test Album"	Photos successfully added to the new album
5	Copy photos from one album to another	Photos appear in the target album; source album photos remain
6	Move photos from one album to another	Photos appear in the target album; source album photos are removed

Table 1: Photo Management by Criteria Test Steps

Notes

- Verify the photo count and content consistency in each album.
- Refresh the album list after manual operations to ensure UI updates.

2. Search with Ease

Test Objective

Verify search by customized tags, dates, locations, image content, and validate saved searches and keyword recommendations.

Test Steps

Step	Action	Expected Result
1	Enter a tag keyword (e.g., "cat") in the search box	Real-time display of photos matching the tag
2	Filter by date (e.g., June 2023)	Returns photos taken in the specified date range
3	Filter by location (e.g., "Beijing")	Returns photos taken at the specified location

4	Search by object recognition (e.g., "bicycle")	Returns photos containing the specified object
5	Save a search query (e.g., "2023 Summer Trip")	Search saved and accessible for reuse
6	Trigger keyword recommendation and auto-completion	Recommendations appear accurately and inputs auto-complete

Table 2: Search with Ease Test Steps

Notes

- Search results should respond quickly without noticeable lag.
- Search history interface correctly displays and supports deletion.

3. Smart Editing Tools

Test Objective

Verify basic editing tools and AI-powered editing features for stability and accuracy.

Test Steps

Step	Action	Expected Result
1	Open a photo and rotate it 90 degrees	Photo rotates correctly by 90 degrees
2	Crop the photo using the cropping tool	Crop area is applied correctly and saved
3	Flip the photo horizontally and vertically	Photo flips correctly
4	Adjust contrast and brightness	Adjustments take effect with visible change
5	Apply built-in filters (e.g., vintage filter)	Filter effect applies correctly
6	Use AI one-tap background removal	Background is removed, foreground remains clear
7	Use AI HD restoration to fix blurry old photos	Photo clarity improves significantly

Table 3: Smart Editing Tools Test Steps

Notes

- Each operation should be undoable to ensure good user experience.
- AI features should process in reasonable time and produce quality results.

4. Moment Video

Test Objective

Verify automatic themed video generation and manual adjustment capabilities.

Test Steps

Step	Action	Expected Result
1	Select an event or time frame (e.g., “Birthday Party”)	Automatic video suggestions appear
2	Preview the automatically generated video	Video plays smoothly and contains relevant photos
3	Manually add or remove photos from the video	Video content updates accordingly
4	Add or change background music	Background music plays and syncs with video
5	Choose different transition effects	Transition effects apply smoothly

Table 4: Moment Video Test Steps

Notes

- Video generation should not cause crashes or long freezes.
- Manual adjustments should update the video content immediately.

5. Sharing & Social

Test Objective

Verify photo and album sharing, permission settings, and collaborative album features.

Test Steps

Step	Action	Expected Result
1	Share a single photo with a friend	Friend receives and can open the photo
2	Share an entire album and set it public	Public album accessible via share link
3	Set an album to private	Unauthorized users cannot view the album
4	Create a collaborative album and invite friends	Friends can view and upload photos
5	Multiple users upload photos simultaneously	All uploaded photos synchronize correctly

Table 5: Sharing & Social Test Steps

Notes

- Sharing permissions should be enforced properly without unauthorized access.
- Clear error messages should be shown on communication failures.