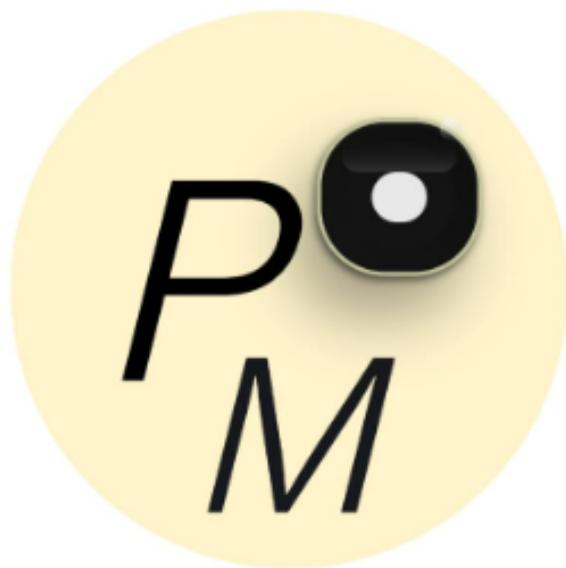


# USER MANUAL

## Android Mobile Application



FOR ALL YOUR PHOTO NEEDS  
**Photomaster**

## Table of Contents

1.0 General Information	3
1.1 Application Overview	3
1.2 Organization of the Manual	3
2.0 System Summary	3
2.1 Hardware and Software Requirements	4
2.2 User Access Levels	4
3.0 How to download the application	5
3.1 Google Play Store	6
4.0 End User	9

## 1.0 General Information

The General information section explains in general terms the Photomaster application overview and the sections of the user manual.

### 1.1 Application Overview

Photomaster is an application aimed towards solving the problem of cluttered galleries on one's devices and it also enables the user to personalize the way in which he views photos. The application could tag images based on several parameters which makes sorting and searching the gallery a much better experience as compared to the endless scrolling most users resort to. Images can be searched based on predetermined parameters to retrieve only those that are required. Photomaster aims to act as a one stop application that enables users to reduce clutter, efficiently organize and retrieve images, whilst also providing the user with the choice of beautifying images by means of minor adjustments.

### 1.2 Organization of the Manual

**The General Information** section explains in general terms the Photomaster application overview and the sections of the user manual.

**The System Summary** section explains about the hardware and software requirements for accessing Photomaster application and user access levels.

**How to download the application** section explains the options available to download the Photomaster Android application on your mobile.

**Using the Application** section provides a detailed description of the functionalities of the Photomaster application

## 2.0 System Summary

The System Summary section explains about the hardware and software requirements for accessing Photomaster application and user access levels.

### 2.1 Hardware and Software Requirements

Requires a smart phone with Android operating system (OS)

The minimum Android version should be 9.0 and up to avail all the features in the application.

To download and use the functionalities of Photomaster mobile app, you require an active Internet connection in your mobile.

### 2.2 User Access Levels

There is only one level of User that is the end user

#### 1. End User

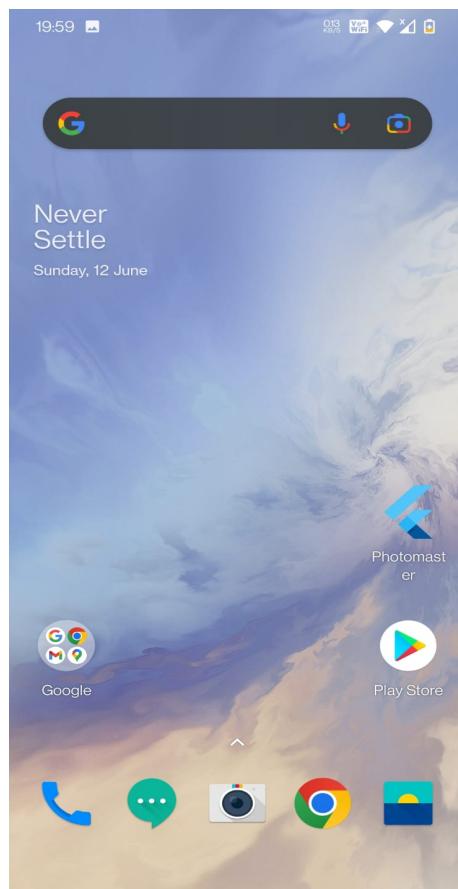
End users can access and use all the functionalities of the photomaster application and there is no registration required for it.

### 3.0 How to download the application

Photmaster application can be downloaded through the following way

The application can be downloaded through the apk.

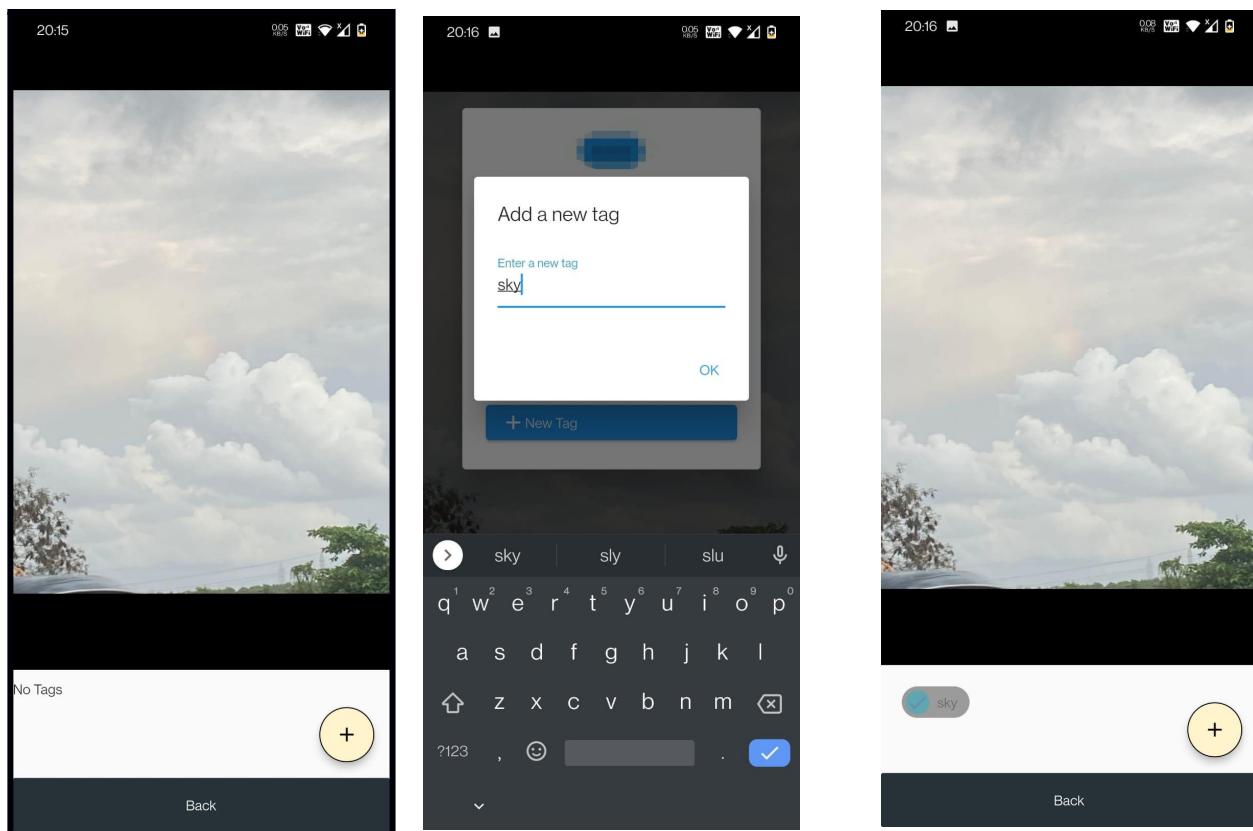
#### 3.1 Can be downloaded from the GitHub



## 4.0 End User

### Tagging:

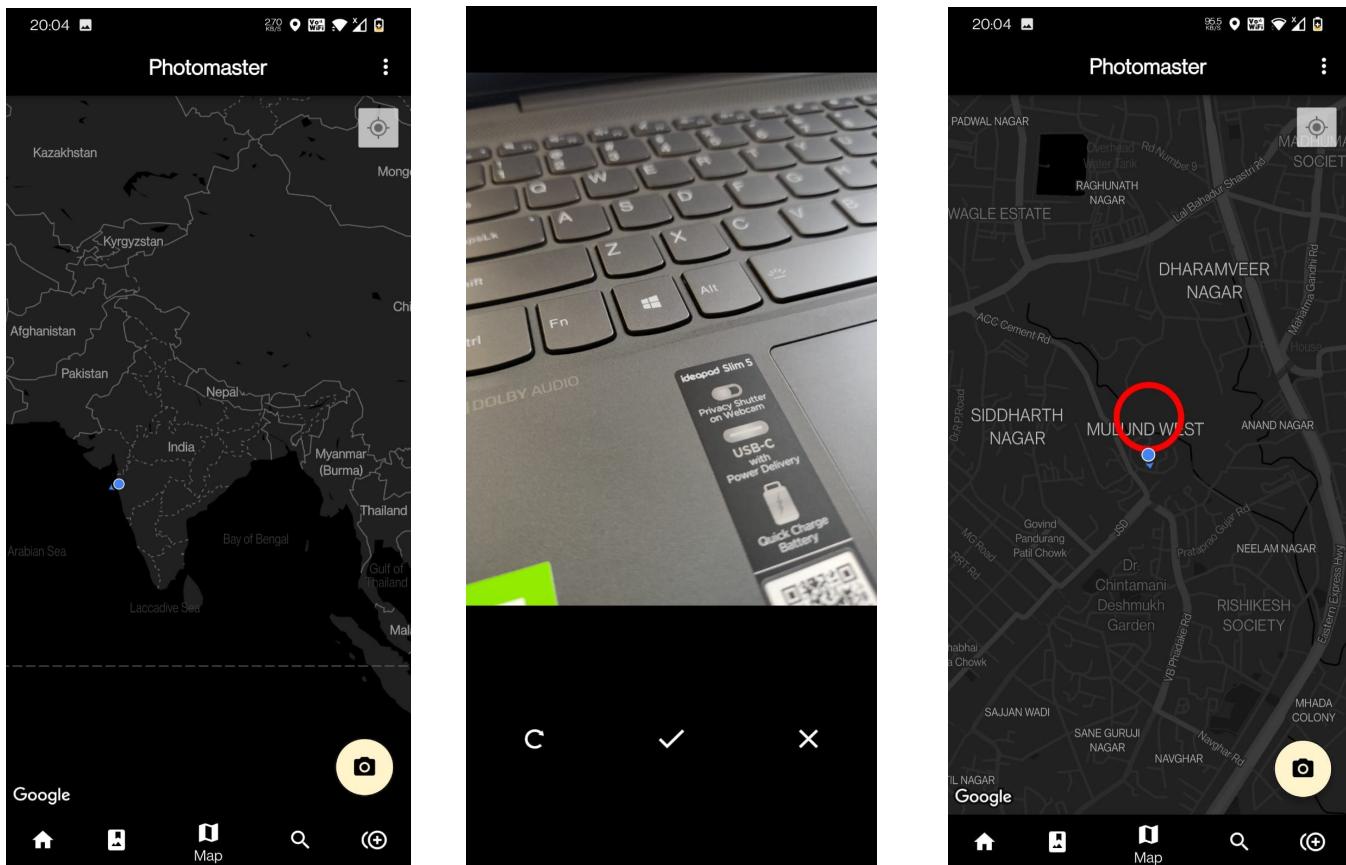
- After downloading the photomaster app the user will see all their photos in the gallery view. These images can be stored in under various tags.
- These collections will be formed by creating tags for each image.
- Once tags are generated, it is saved in the database along with the image. An album is created, which would then be displayed to the user.
- The user can tag multiple images using these tags and each image can be assigned multiple tags



- Hold on to an image to add tags to it.
- When the image enlarges, press on the '+' to add a tag.
- Then enter your new tag and press 'OK' or select from an existing tag and the tag has been successfully added to your image.
- Press on the 'Back' button to go back once done.

## Geolocation

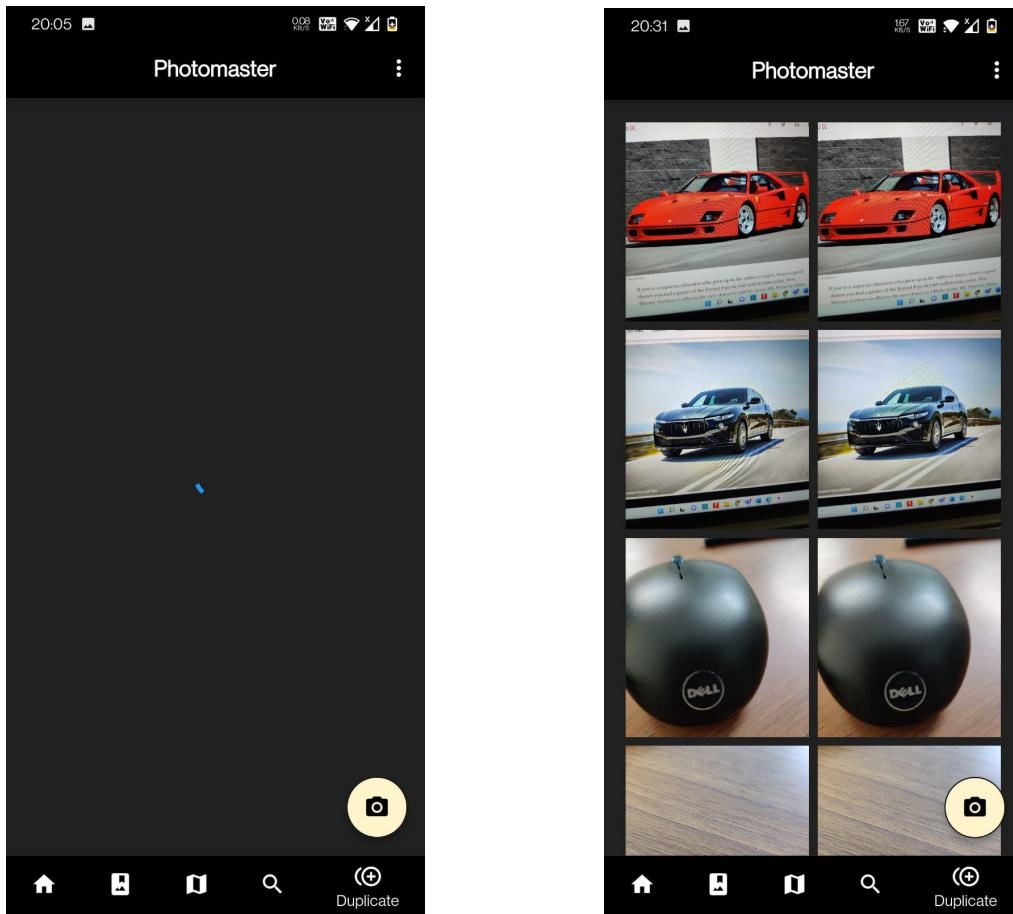
The user will be shown a map which contains locations of various images taken, on clicking a location the user will be shown the images taken at that location. The images' locations will be accessed using either the coordinates available on the EXIF file or by means of metadata entered by the user



- On the below navigation bar press on the map icon to see the geolocation. The blue dot indicates your location.
- Press the camera button to click a picture, and a red circle highlights the location where the image was clicked.

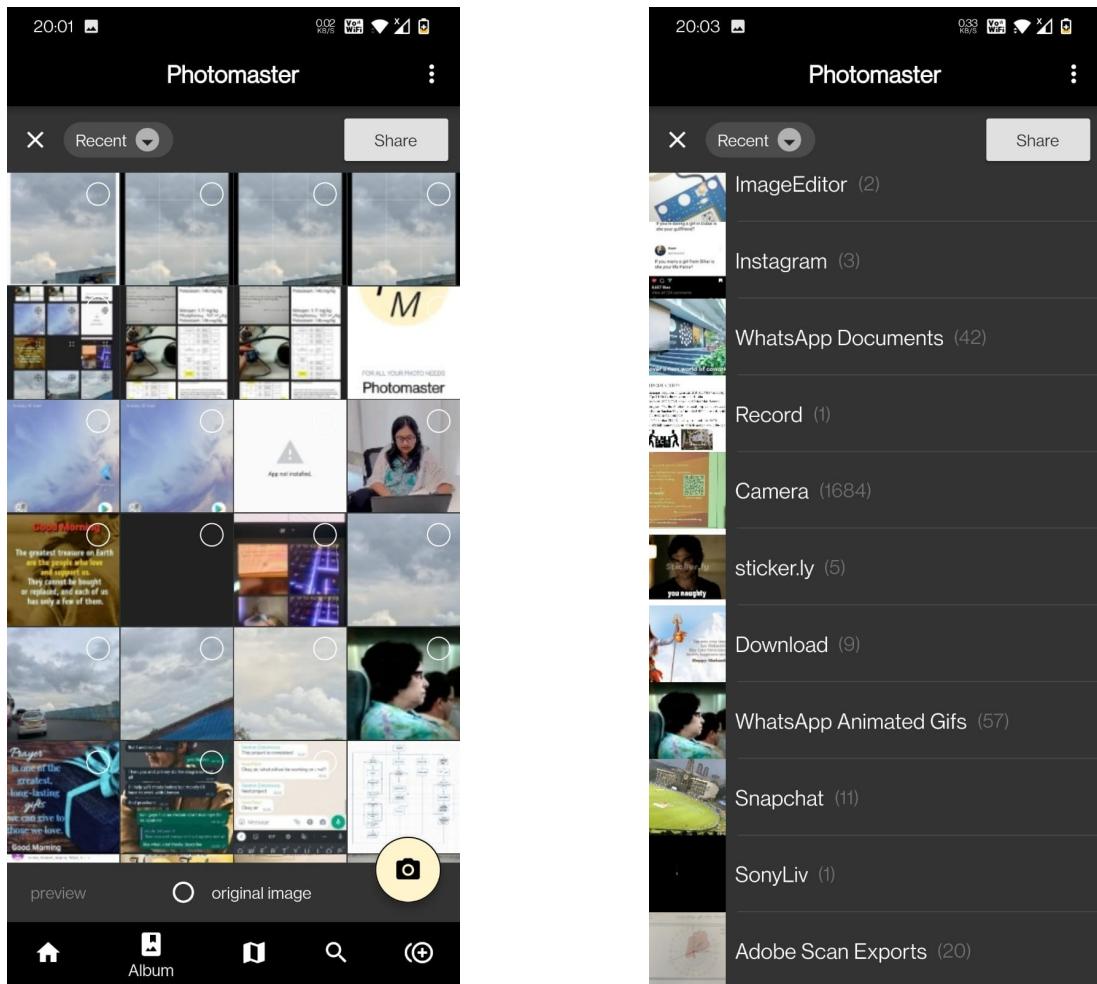
**Duplicate Detection:** This function will remove redundant images. This process starts with duplicate detection based on image metadata for e.g.: the images which are clicked in the range of 0 to 2 seconds and once the duplicate images are identified the application will give the user a side-by-side view of duplicate images in their respective sets. The user can then select the images to be kept, following which the others are either deleted or archived to an external storage or marked as void and this will be

dependent on the user's requirements.



- On the below navigation bar press the duplicate  button to check for duplicate images on your device.
- The screen will load all the duplicate images found on your device

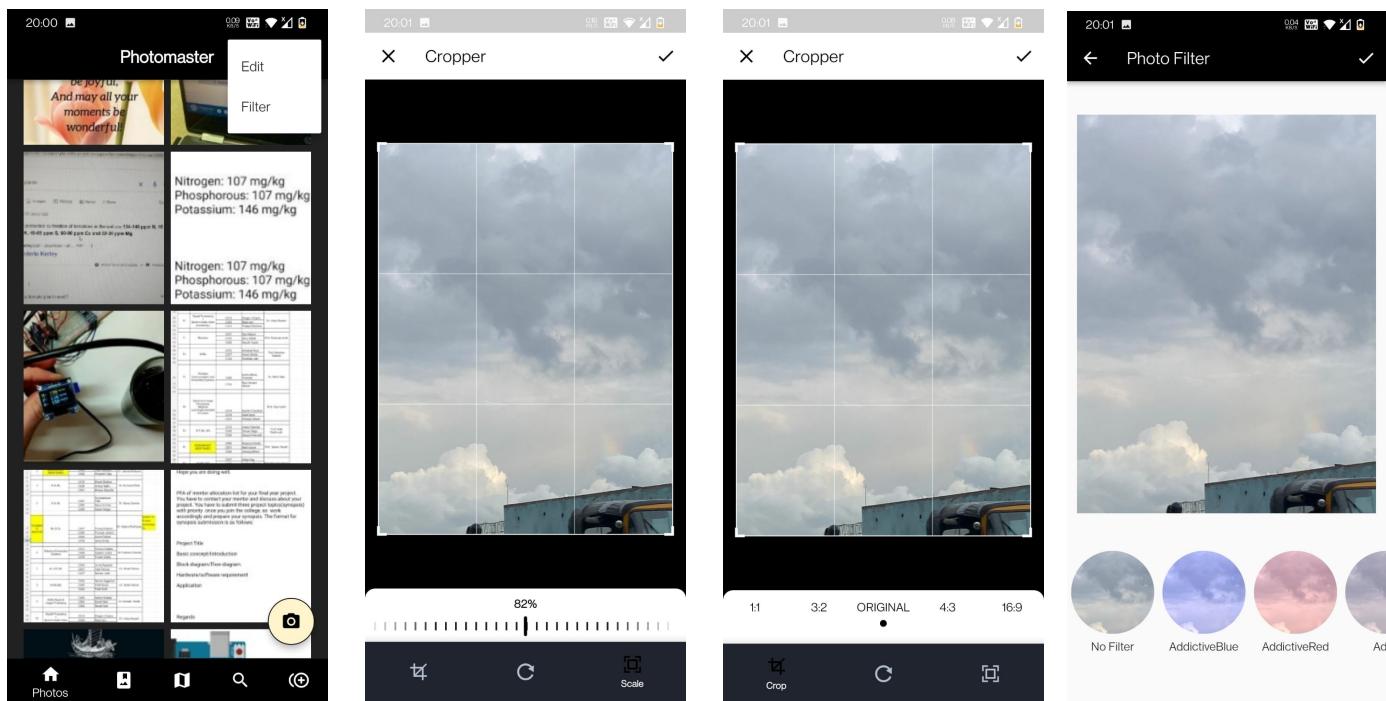
**Album creation:** The user can create albums manually.



- To see all the albums on your device press on the album button by default first up it will show you, your most recent photos.
- Press on the drop down arrow and it will drop down all albums on your device.
- If you want to view a particular album you have to select that album.

## Image editing:

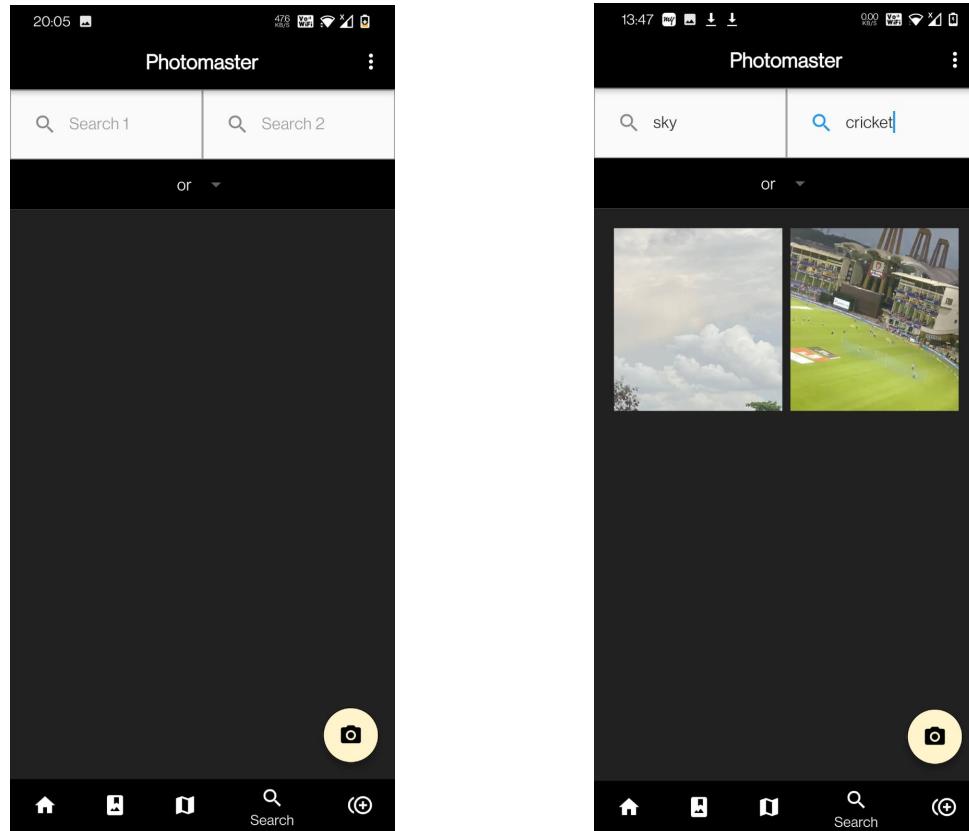
- Image selection - When you choose an image to edit, it will be highlighted and will then take over the screen, with three options to crop, feature select, and alter the image in the bottom bar.
- Function Selection - Long pressing the image brings up an option in the bottom bar to crop, rotate, and flip the image, as well as alter the image.
- Pre-set Ratios
- Ratios (Original ratio, 1:1, 2:3, 3:2, 3:4, 4:3, 9:16, 16:9)
- Manual Cropping
- Rotate
- Flip
- Adjust
- Save image to copy
- Image Editor - Enables users to choose and apply filters to images based on a variety of predefined options



- On the top right app [three dots icon] bar select then ‘Edit’ and ‘Filter’ options will appear
- Press ‘Edit’ if you want to crop, rotate or scale the a particular image
- Press ‘Filter’ if you want different effects

### Multiple Search:

This feature allows the user to find a particular image by allowing the user to search by tags assigned to a particular image.



- On the bottom bar press on the search button  to find a particular tagged image.
- Enter a particular tag and all the images associated with that tag will be returned to you.
- You can search for multiple tags at the same time.