

PHOTOART

ANDROID

ABOUT THE PROJECT

Any person with this app can see and share the picture that i have clicked. There is a share button to share the link of a picture using any shareable App like whatsapp , telegram,gmail etc... on their mobile phone. There is a filter button , using which the user can filter all images of a particular category and the user can also clear all filters to see all images.All image urls, image descriptions and image categories are retrieved from the firebase database for hassle performance of the app. Images are stored in Amazon Web Services S3 buckets and links are made public . So that anyone with the link can see the image.

FEATURES

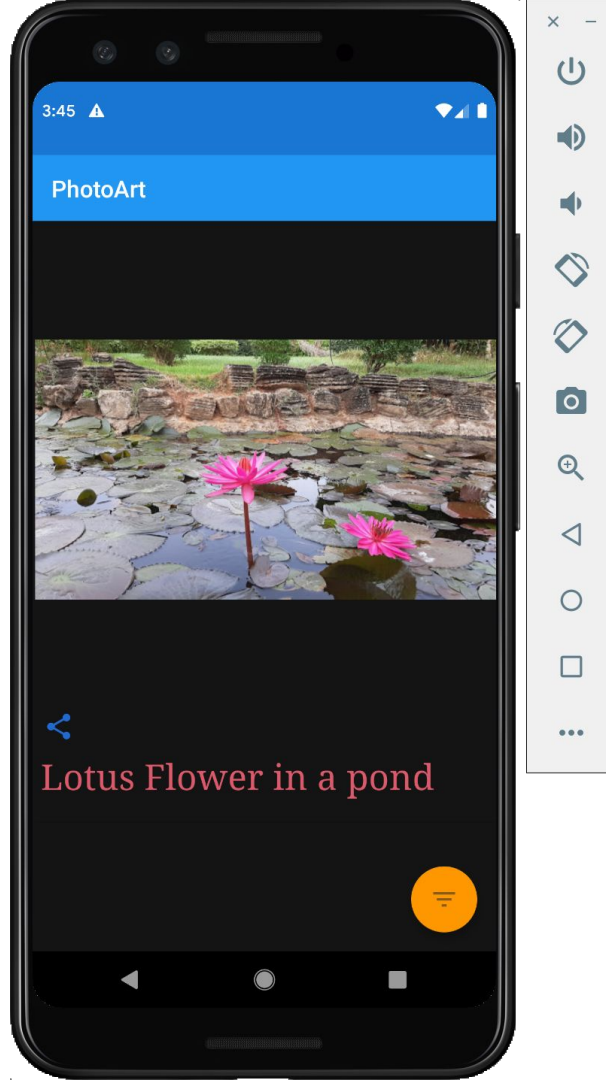
- ❑ Can view images using URLs.
- ❑ Can share image links using any other app installed in mobile.
- ❑ Filter images using the category they belong to and categories are taken from the database.

ANDROID COMPONENTS

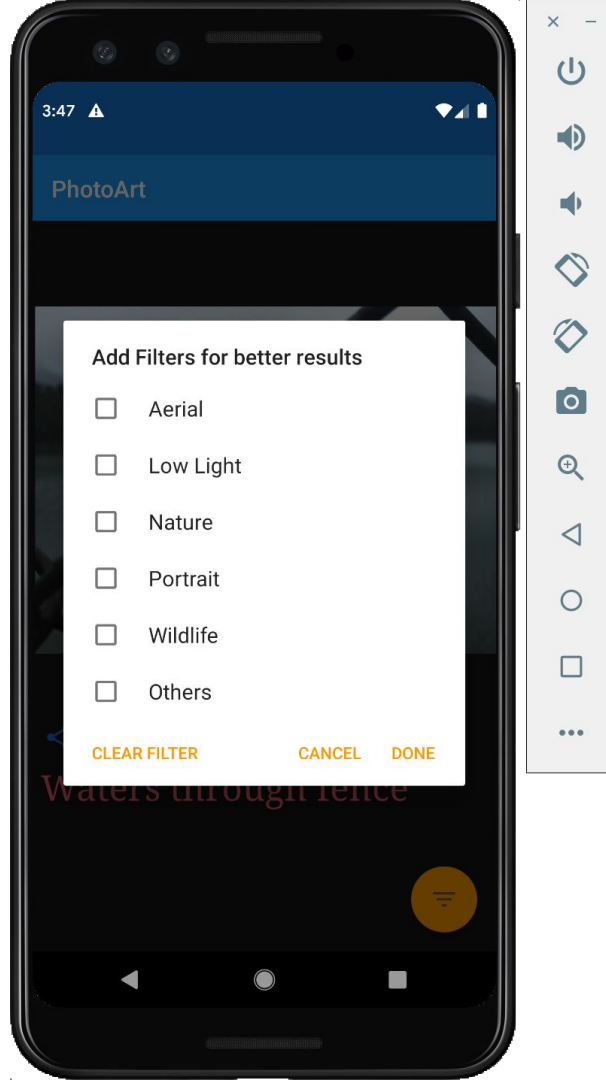
- ❑ Glide used to show an image via link.
- ❑ Firebase API calls to retrieve data from firebase realtime database.

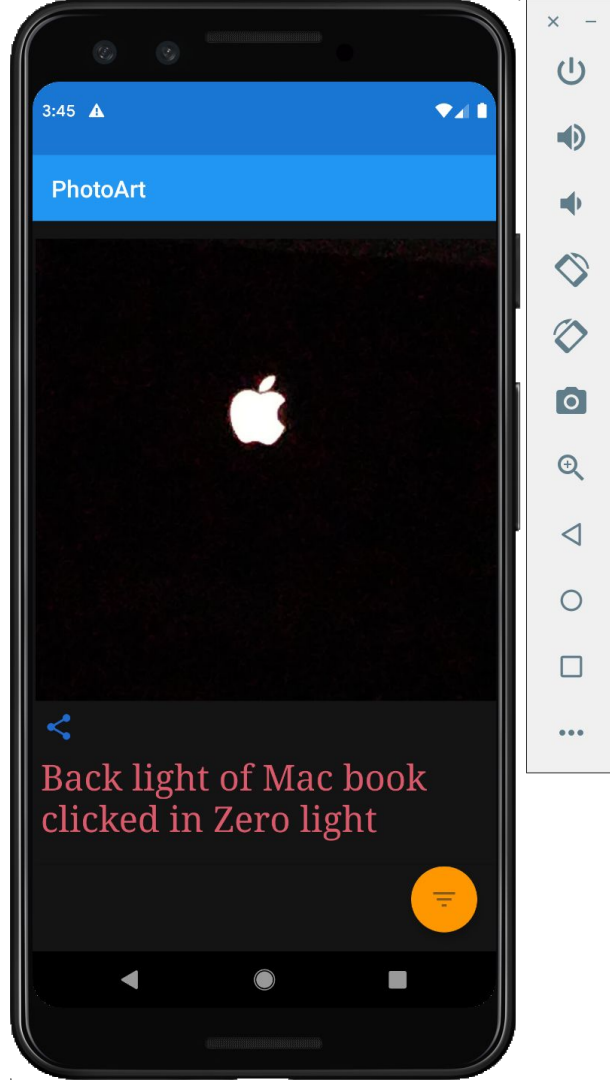
USER INTERFACE

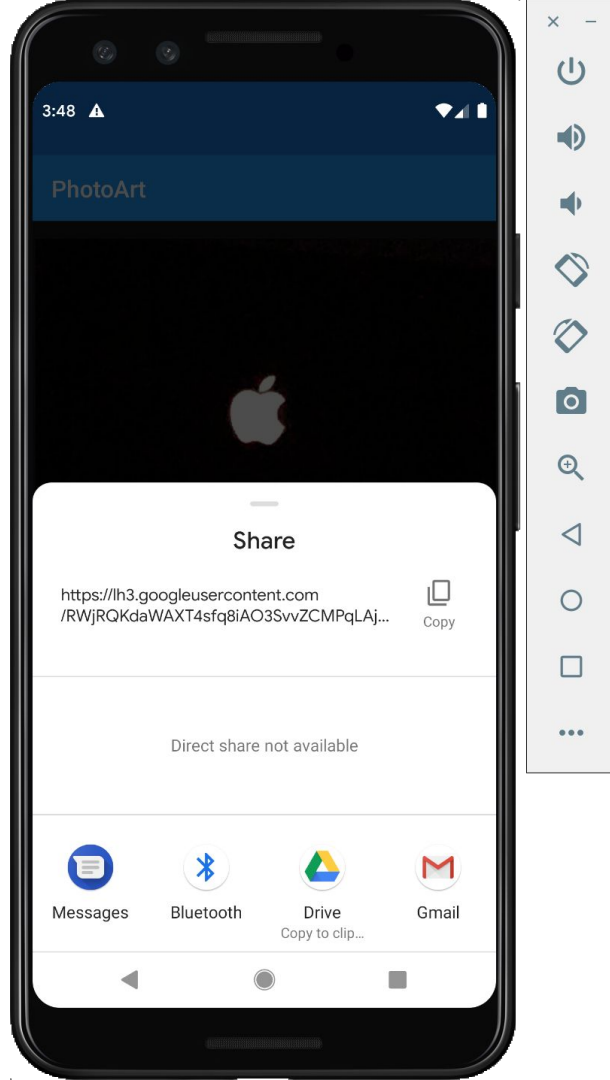
We used RECYCLERVIEW
to change screens.



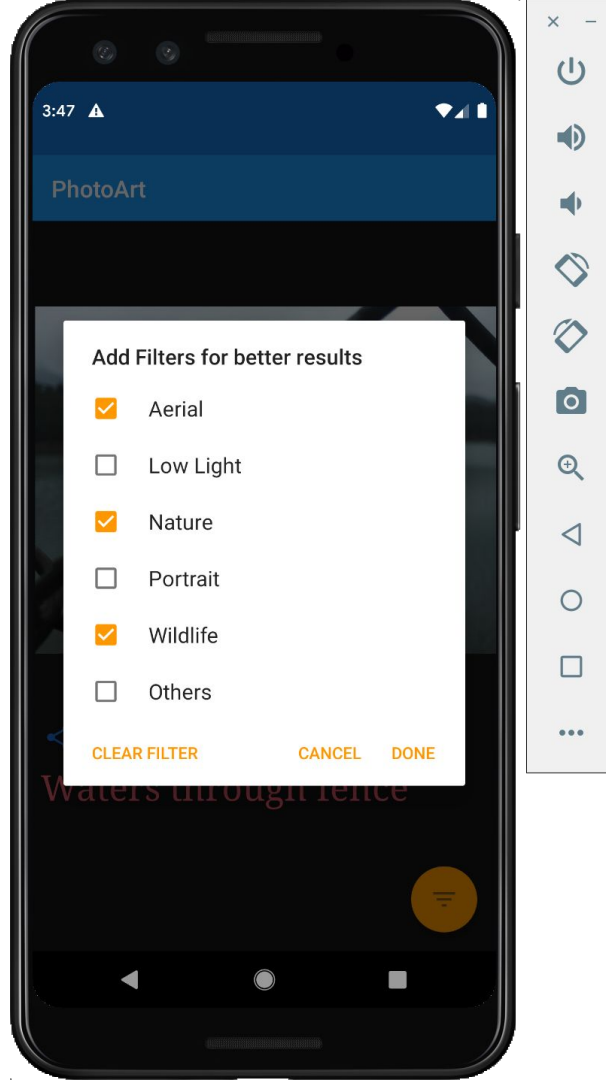
We listed various filters to
Get better results.

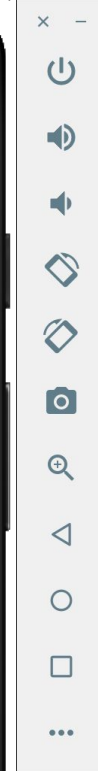
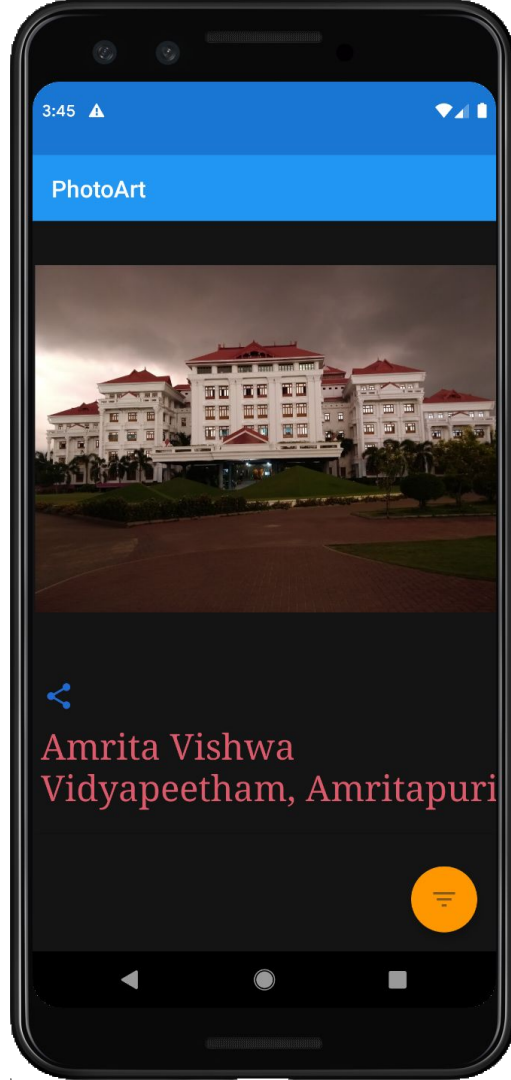






In this screen we selected
Filters required by us.





DATABASE

I used a **firebase realtime database** to store my data. It is a cloud hosted NoSQL database that lets you store and sync between your users in real time . When you build cross-platform apps with our iOS, Android, and JavaScript SDKs, all of your clients share one Realtime database instance and automatically receive updates with the newest data.

API USED

FIREBASE is an API that lets developer easily sync and store the data in realtime. Developers can use the service to build their apps without having to manage servers. It uses WebSockets to acheive relatime communication between clients. Data can also be accessed over the Firebase REST API.