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InstaPhotos

Description

InstaPhotos provides search functionality for photos depend on user input search keyword and user can load more when scrolling down using Flickr API in addition to user can mark photos as favorite so he can has access to these photos directly without searching again, user also can share photos with his friends.

Intended User

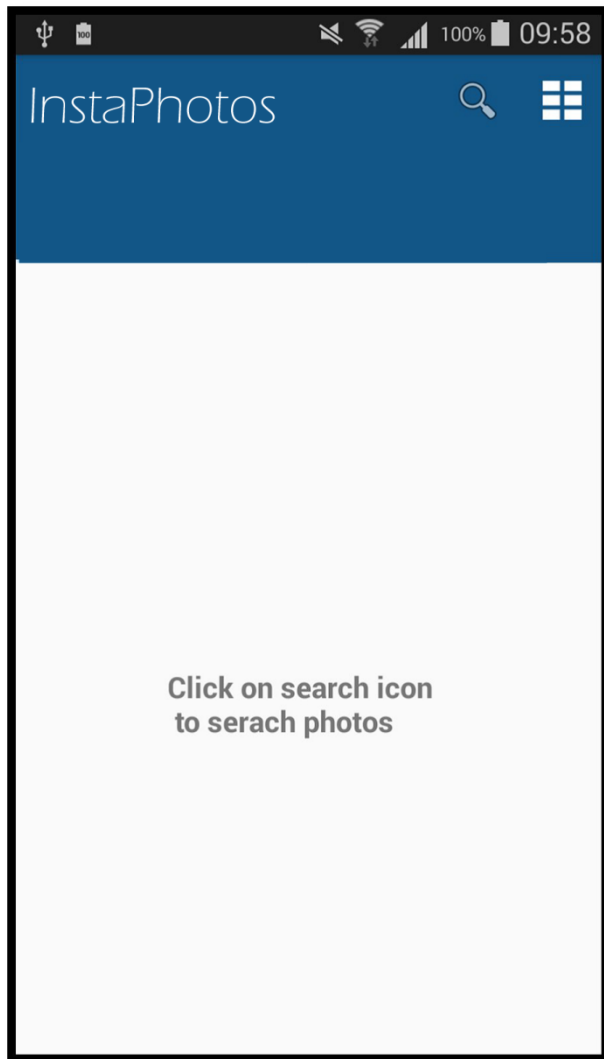
The Intended user for InstaPhotos is everyone who interested to explore and surf photos about something and want to share the photos with his friends.

Features

- Search for photos.
- Add searched photos to favorites.
- Share photos.

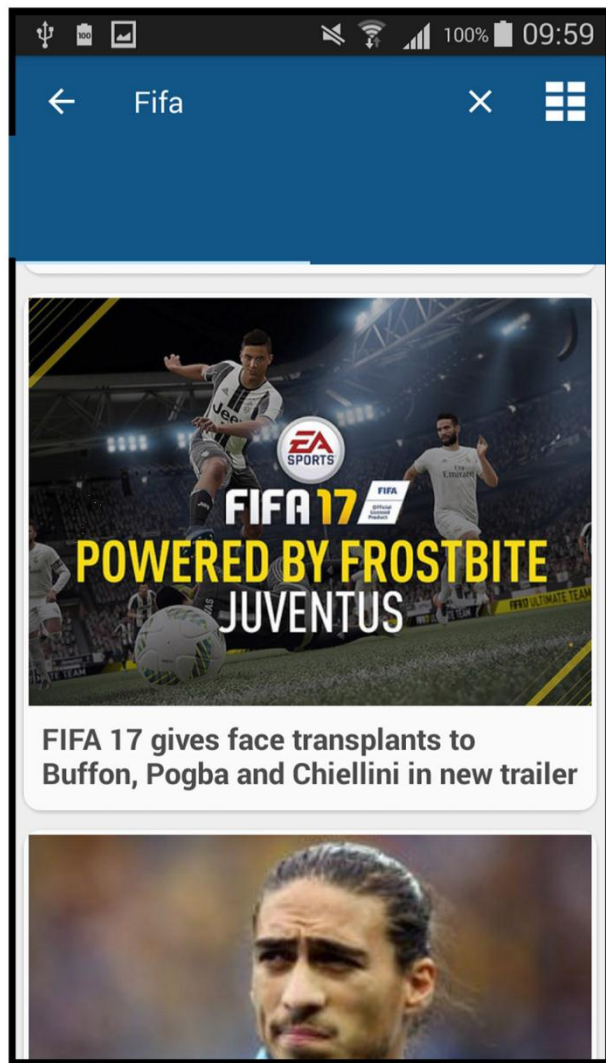
User Interface Mocks

Home Screen



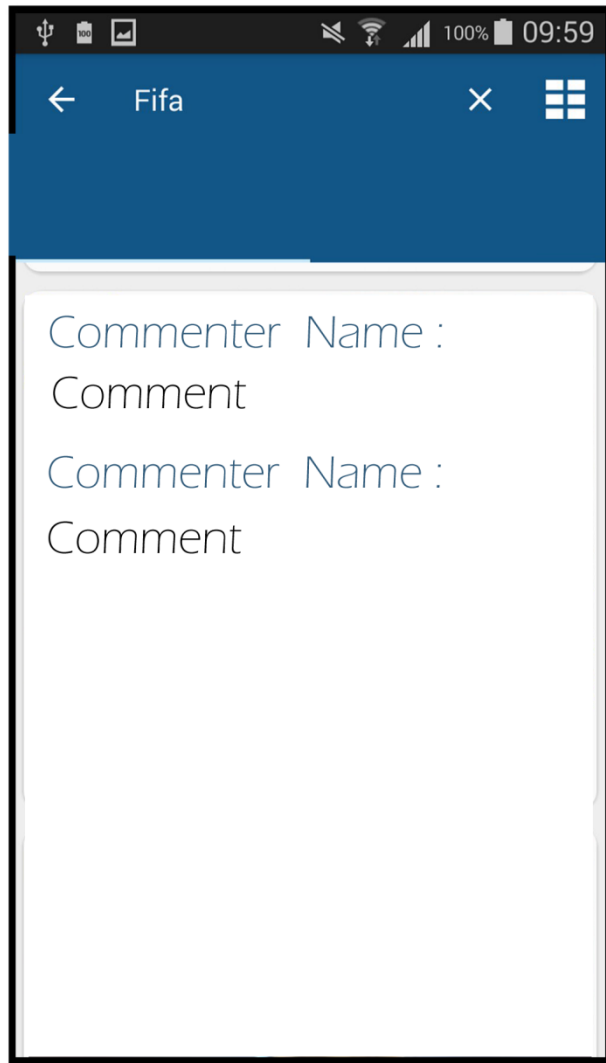
When open app click on the search icon on the top right of the screen to search photos.

Home Screen after search



Results of your search for photos

Detail Screen



This screen is shown when user click on specific photo and wanted to see other comments on this photo.

Key Considerations

How will your app handle data persistence?

The App will use content provider to save the favorite images locally.

As this app is search app I will cache the images locally using third part libraries for the frequent search items

Describe any corner cases in the UX.

User can switch view modes of the images and groups from the action tool bar.

Describe any libraries you'll be using and share your reasoning for including them.

1. Picasso to handle the loading and caching of images
2. Volley for network calls
3. Epoch converter for convert long time to human date
4. Pretty time to convert human date to time ago
5. Firebase for crash reports

Describe how you will implement Google Play Services.

Application will be using firebase crash analytics which are dependent on Google play services.

Required Tasks

Task 1: Project Setup

- Explore Flickr API documentation and start to understand the request and respond parameters.
- Configure libraries
- Build MVC code structure

Task 2: Implement UI for Each Activity and Fragment

- Build UI for Main Activity
- Build UI for Home Fragment
- Build UI for Detail Fragment
- Build UI for favorite Fragment

Task 3: Technical Functionality

- Add search functionality
- Implement content provider
- Handle Error cases
- Something else