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Project Title : Noir

Description

Noir shows the prominent colours(along with colour codes) in an image. It gives the option to upload the image from your gallery, capture images from camera and pick an image from the provided set of images by the app. It gives other functionalities like setting wallpaper or downloading the image. The user may save the images he/she likes for later use.

Intended User

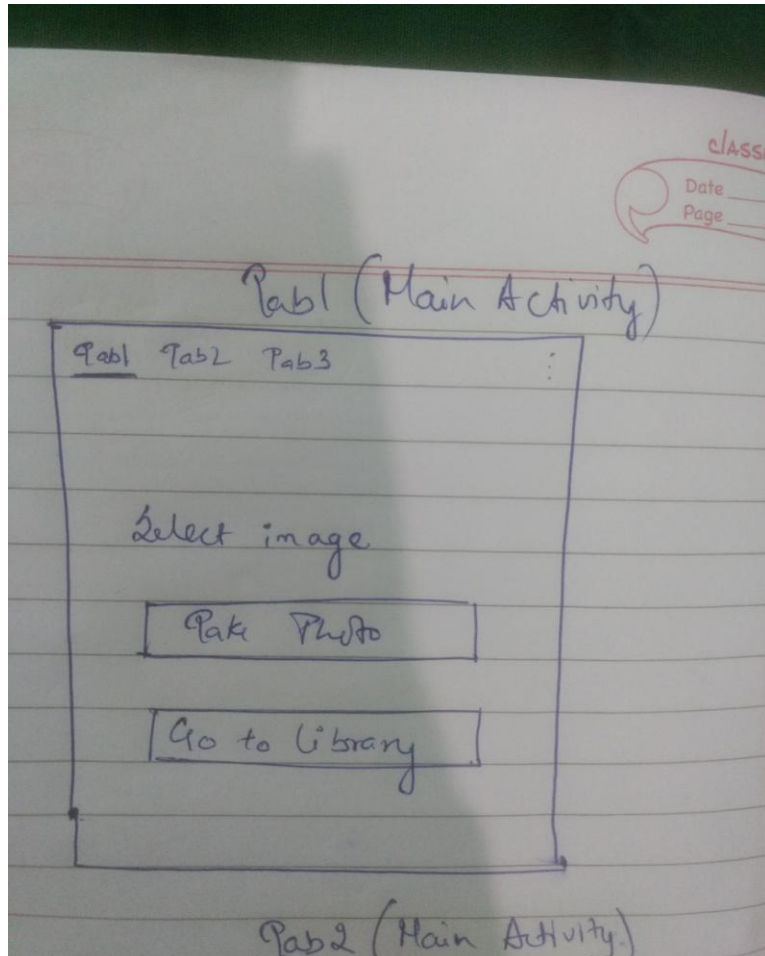
The intended users are the designers, photographers or image editors. Basically, those people who want to know colours (along with hex codes) in an image.

Features

- Shows prominent colours in an image
- Set wallpaper
- Save image
- Download image

User Interface Mocks

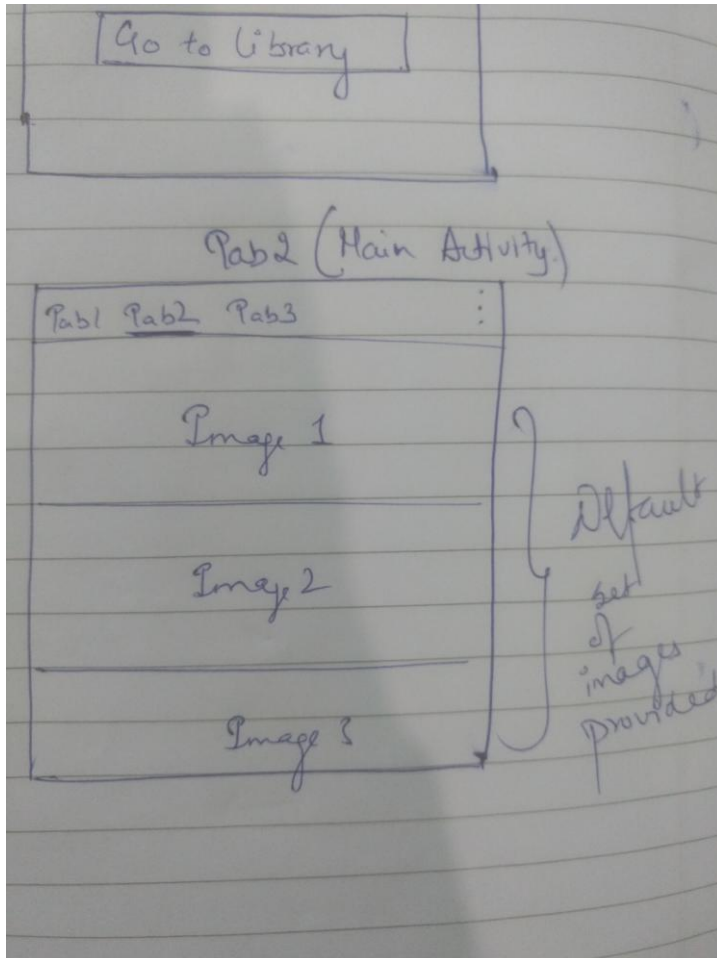
Screen 1



Tab 1 of the Main Activity.

Asks the user if he/she wants to choose image from library or click a photograph to show the image's colour palette.

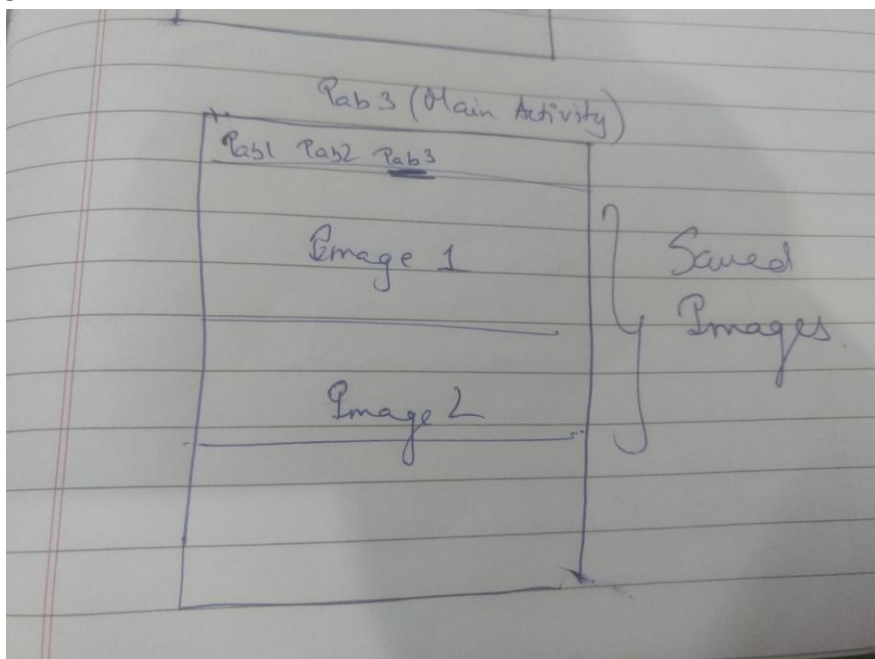
Screen 2



Tab 2 of Main Activity.

Gives a default set of images to choose from. (will be taken from Unsplash's API).

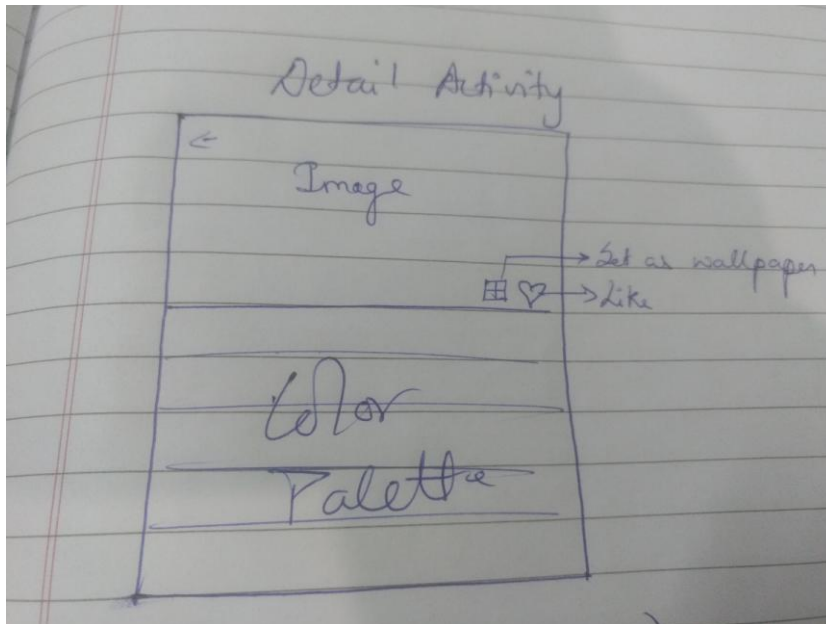
Screen 3



Tab 3 of Main Activity.

All the images saved by the user will go in this tab.

Screen 4



Detail Activity.

When user chooses an image to show its colour palette, this Activity will show the image along with its colour palette.

Key Considerations

How will your app handle data persistence?

I will be using Content Provider for handling data persistence

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

Would be using Fresco library for managing images.
Would be using Palette library to get the colours present in the image.
Would be using Volley library for Network Connection.

Describe how you will implement Google Play Services.

I will be using firebase for User Authentication and Remote Config.

Next Steps: Required Tasks

Task 1: Project Setup

Project setup

- Configure libraries
- Getting API key for the Unsplash API ,as it's images would be shown in the app by default.

Task 2: Implement UI for Each Activity and Fragment

List the subtasks. For example:

- Build Main Activity
- Build one fragment to give option to upload the image from gallery
- Build one fragment for showing the default images
- Build one fragment for saved images
- Build Detail Fragment to show colour palette o the image,along with image.

Task 3:

Adding firebase authentication for user login. Adding firebase Remote Config.

Task 4:

Create SQL database and Content Providers.

Task 5:

JSON parsing for the default images.

Task 6:

Maintaining the user flow and building rest of the app