Description
Intended User
Features
User Interface Mocks
Screen 1
Screen 2
Key Considerations
How will your app handle data persistence?
Describe any corner cases in the UX.
Describe any libraries you’ll be using and share your reasoning for including them.
Describe how you will implement Google Play Services.
Next Steps: Required Tasks
Task 1: Project Setup
Task 2: Implement UI for Each Activity and Fragment
Task 3: Your Next Task
Task 4: Your Next Task
Task 5: Your Next Task

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Patternizer

Description

Patternizer is an app that let’s you change the look of your android device from the creative community COLOURlovers where people from around the world create and share their art work (patterns)

Intended User

Everyone who loves art,patterns,and that wallpaper guy.

Features

List the main features of your app. For example:

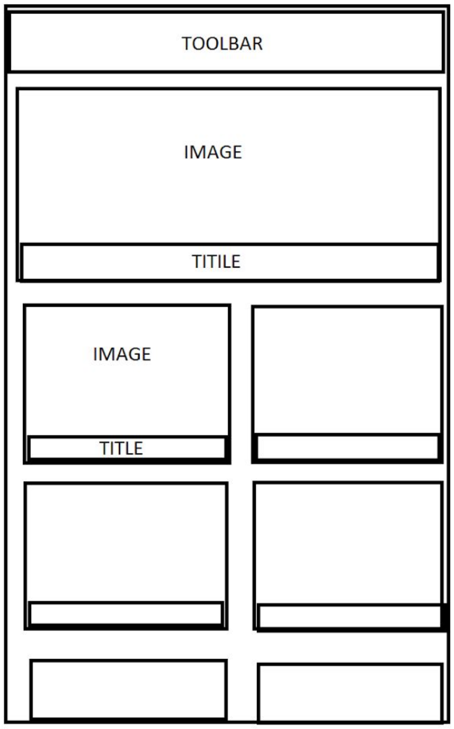
- List the beautifully crafted patterns from COLOURLovers.com
- Ability to make a pattern as wallpaper to any screen size

- Save the pattern onto a physical storage

User Interface Mocks

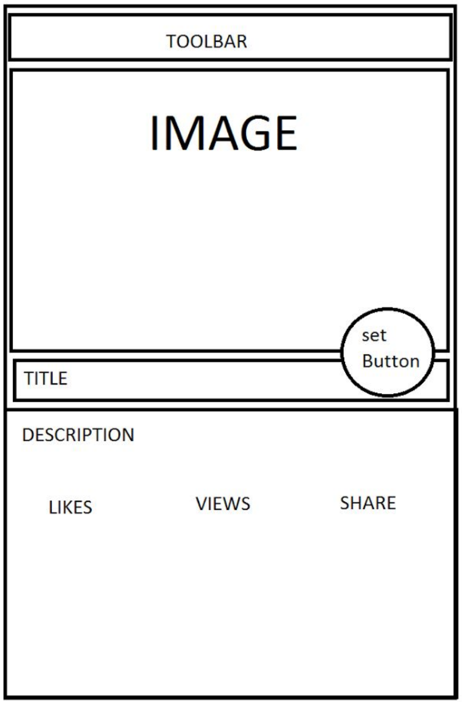
These can be created by hand (take a photo of your drawings and insert them in this flow), or using a program like Photoshop or Balsamiq.

Screen 1



This is the main screen of the app where the user can see different patterns in a grid-view ,the user can click on the pattern they like and check the details of the pattern.

Screen 2



This is the details screen of the selected pattern , which showcases the No.of Likes, views of the selected pattern ,this screen consist of a button Which is used to set the desired pattern as a wallpaper on the user's phone

Key Considerations

How will your app handle data persistence?

- Content Provider is used to handle the data from the COLOURlovers.com
- App uses Sync Adapter to update its data at regular intervals

Describe any corner cases in the UX.

User's can apply the wallpaper using the floating button from the details screen.
Note:Devices Running marshmallow and above ,will see a permission for setting a wallpaper.

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

ButterKnife: To find annotated views and automatically cast corresponding view to the layout

Schematic: To generate a content provider backed by sql Database
Glide : To load the patterns from the url

Describe how you will implement Google Play Services.

Google Play Services are used to Display advertisements and implement google Analytics.

Next Steps: Required Tasks

This is the section where you can take the main features of your app (declared above) and decompose them into tangible technical tasks that you can complete incrementally until you have a finished app.

Task 1: Project Setup

- Configure Libraries
- Design architecture of the app
- Research apps with same functionality to gain the best practice knowledge.

Task 2: Implement UI for Each Activity and Fragment

- Build UI for MainActivity
- Build UI for DetailActivity
- Build UI for devices with larger screens

Task 3: Implementing Data fetching functionality

- Build a syncProvider to fetch the data from the api.
- Research the schematic documentations for best practices
- Build a database and a content provider using schematic library

Task 4: Designing the final ui

- Create layout files that match the final ui designs
- Bind the layout to java classes

Task 5: Building Widgets

- Designing the widgets
- Passing data onto widgets

Task 6: Error Handling

- Handling the errors
- Bug fixes if any.