

How to Use this Template

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Submission Instructions

1. After you've completed all the sections, download this document as a PDF [File → Download as PDF]
 2. Create a new GitHub repo for the capstone. Name it **"Capstone Project"**
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GitHub Username: BipinSutar

App Name: DailyQuotes

Description

DailyQuotes provides users with motivational and inspirational quotes from famous authors, writers and personalities. Users can select and read collection of quotes from famous authors, Or choose to read quotes which are selected by app randomly.

Intended User

This app for all android users who loves to read motivational quotes of famous people and stay motivated all the day.

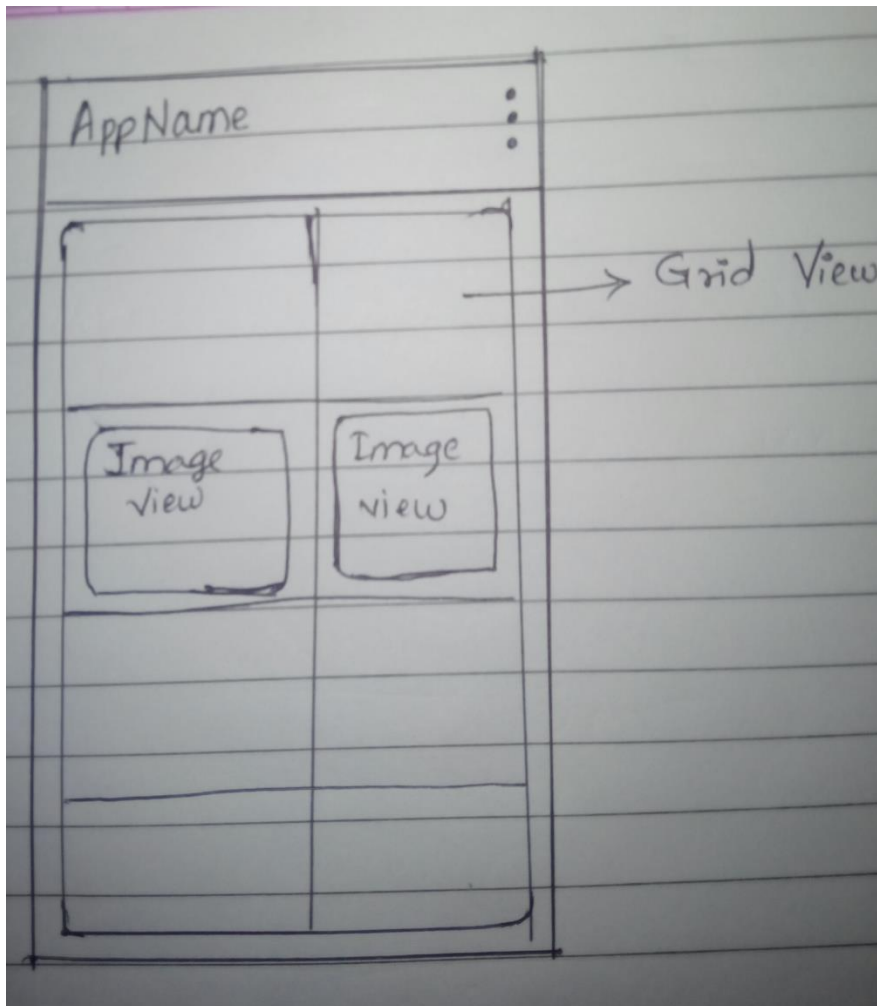
Features

- Save the quotes which user likes.
- Bright and pleasant user interface.
- Daily notifications
- Option to share the quotes.
- Widget to show quote of the day.

User Interface Mocks

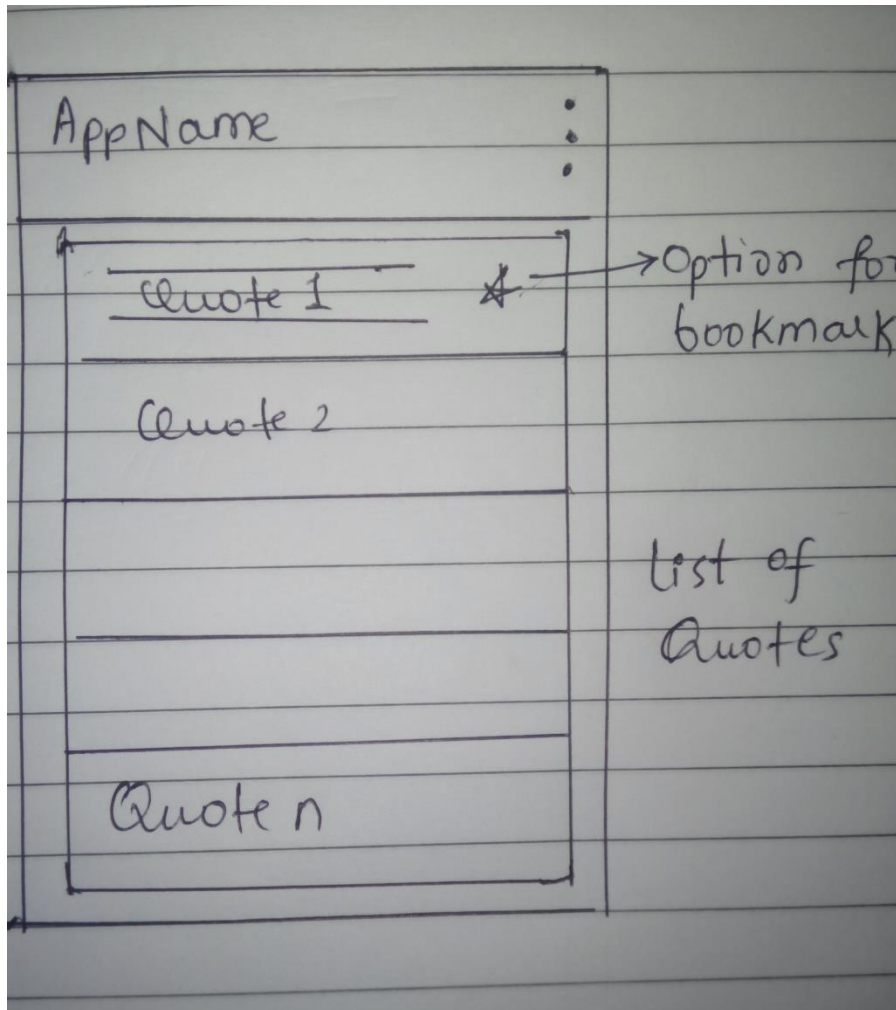
These can be created by hand (take a photo of your drawings and insert them in this flow), or using a program like Photoshop or Balsamiq.

Screen 1



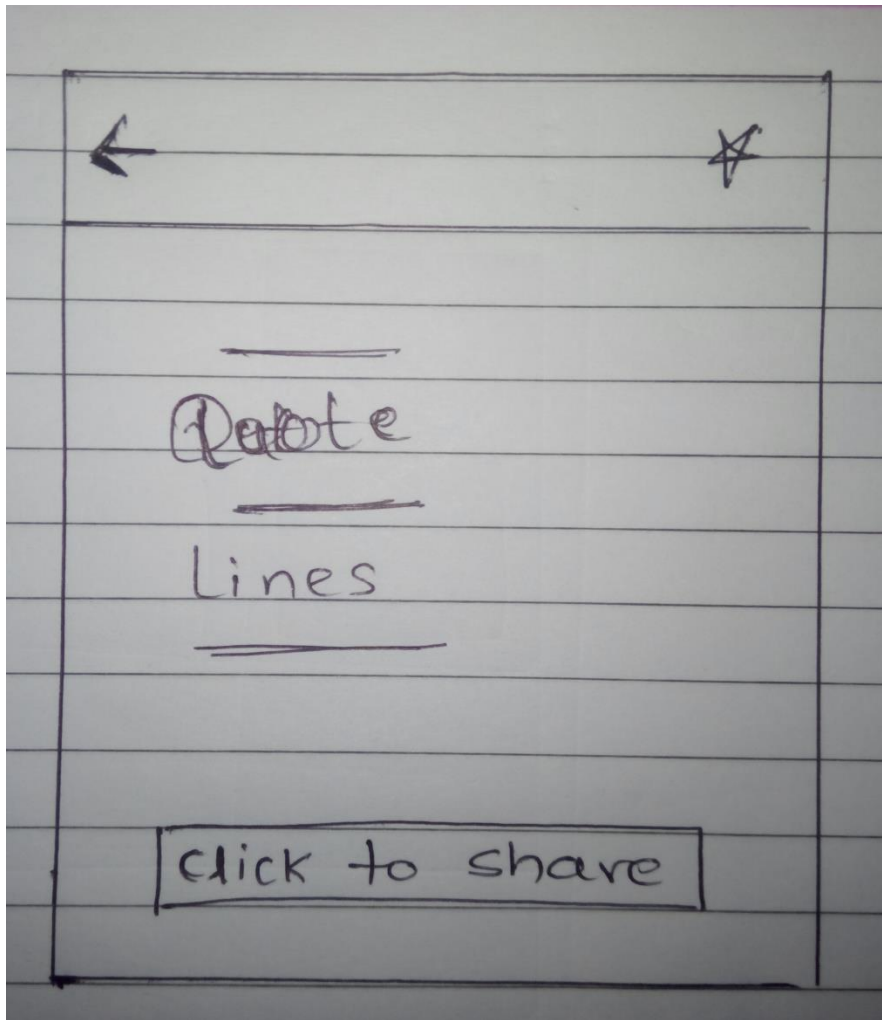
App first screen. It will contain list of all authors.

Screen 2

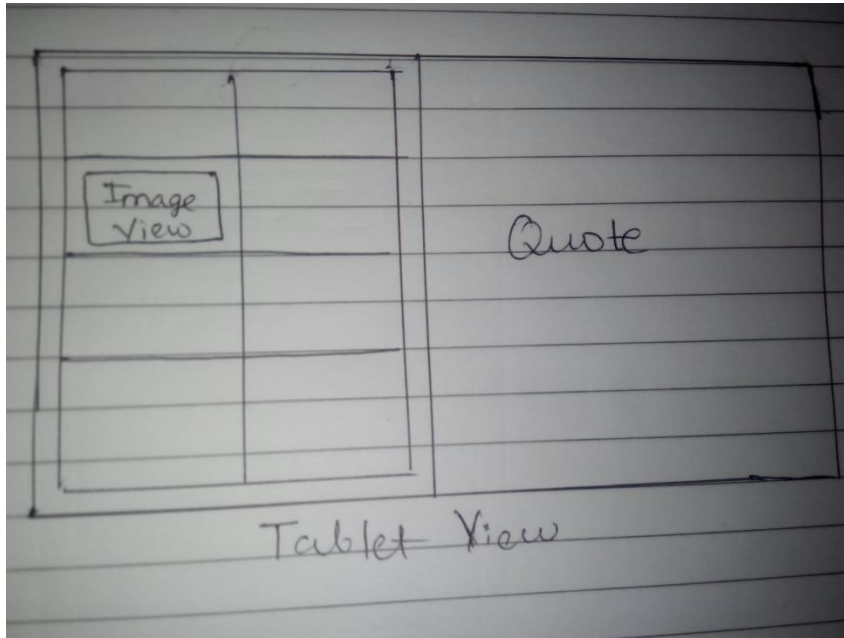


App Second screen. It will contain list of all quotes.

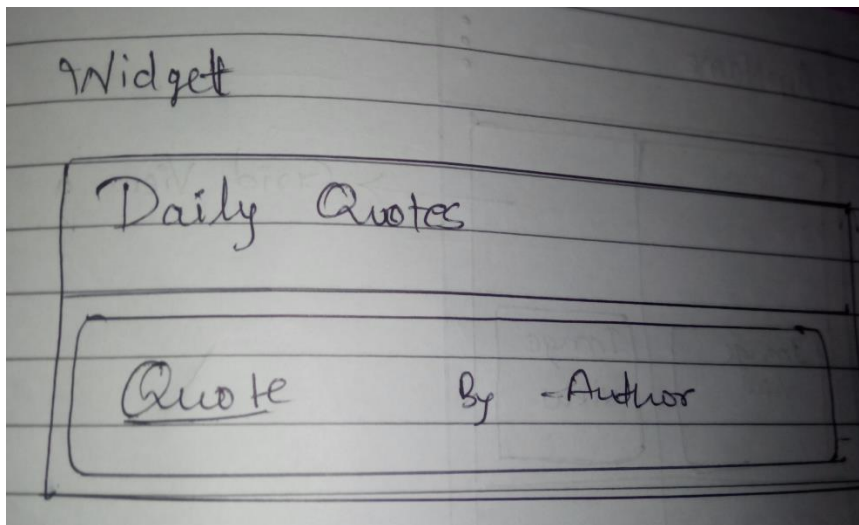
Screen 3



App third screen to read and share the quote.



App Tablet View



App widget

Add as many screens as you need to portray your app's UI flow.

Key Considerations

How will your app handle data persistence?

Data will be stored in SQLite Database using content providers.

Describe any corner cases in the UX.

A corner case would be rotation of the device while reading the quote, with the background rendered. This would be handled using different layout. Also addition to this, during sharing of the quote image if the user cancels the sharing process.

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

I'll be using simple SQLite provider for generating content provider code, Glide for simplified image loading, Butterknife for view binding and Canary for detecting the memory leaks.

Describe how you will implement Google Play Services.

I'll be using Firebase services for the backed layer, analytics, crash reporting and storage.

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

To configure the project I'll use SQLite database to store all the quotes.

Next task would be adding dependencies to use firebase in the app project.gradle file.

Adding other dependencies which are SimpleSqlite and Glide.

Task 2: Implement UI for Each Activity and Fragment

List the subtasks:

- Build UI for Main Activity
 - a. Create GridView to show all the available people.
 - b. On click, the view showing all the quotes of that person.
- Build UI for quote
 - a. The quote will be shown to the user.
 - b. User will have option to share the quote.
 - c. User can save the quote for offline access
- Build settings activity
 - a. Settings activity will allow user to turn on or off the notifications.

Task 3: Handle User Navigation

- The next task is to facilitate user to swipe between quotes using swipe gesture.
- An async task will be used for capturing and processing the screenshots taken by the user for sharing purpose.

Add as many tasks as you need to complete your app.

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