How to Use this Template

1. Create a new document, and copy and paste the text from this template into your new document [Select All → Copy → Paste into new document]
2. Name your document file: "**Capstone_Stage1**"
3. Replace the text in green

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MovieApp

Description

This application that allows you to see the posters of different movies. The app offers the possibility to the user to be able to store his favorite posters, see the comments on the film and see the trailers on youtube.

Intended User

Movie fans

Features

List the main features of your app. For example:

- Show Movie Poster
- Save favorite movie poster
- Authentification using firebase
- Show movie comment

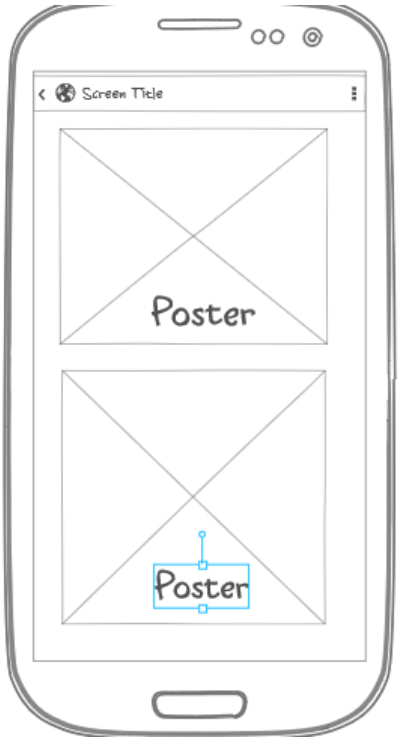
User Interface Mocks

These can be created by hand (take a photo of your drawings and insert them in this flow), or using a program like Google Drawings, www.ninjamock.com, Paper by 53, Photoshop or Balsamiq.

Screen 1

The loggin screen

Screen 2



The home page that shows them according to the criterion selected

Screen 3

Display the movie details with two FAB to mark moie as favorite and to see Review screen

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

Key Considerations

How will your app handle data persistence?

App will use SharedPrefences and Room to persiste data on the user device

Describe any edge or corner cases in the UX.

Unstable or missed network connection: the application must not crash in that cases

- **Device orientation change**: the application must handle all long running operations correctly considering possible configuration changes
- **UI freezes:** the application must not use the main thread for any resource consuming operations

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

- Picasso to handle the loading and caching of images.
- Butter Knife: for boilerplate code reducing
- Material Values: for handy Material Design dimensions access
- Firebase : for user Authentication
- Room : for local data storage
- Google Ads Mobs : To show testing ads

Describe how you will implement Google Play Services or other external services.

The application will use Firebase Authentication to identify the user and Google ads mods to show a test ads.

Next Steps: Required Tasks

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

Task 1: Project Setup

Create and setup a new project. This task includes:

- creating a new project in Android Studio
- configuring libraries by adding all necessary dependencies.

Task 2: Implement UI for Each Activity and Fragment

List the subtasks. For example:

- Build UI for MainActivity
- Build Fragment

Task 3: Data model classes

Create data classes which help to handle all response data provided by MovieDB API calls.
Required classes:

- Movie
- Review
- Trailer

Task 4: Data Persistence

Add room and shared preferences helper class to handle all locally stored data.

- Create AppdataBase file
- Create DAO file for each model

Task 5: Google Play Service

Implement chosen services (Firebase Authentification and Google Ads Mobs).

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

Submission Instructions

- After you've completed all the sections, download this document as a PDF [File → Download as PDF]
    - Make sure the PDF is named "**Capstone_Stage1.pdf**"
- Submit the PDF as a zip or in a GitHub project repo using the project submission portal

If using GitHub:

- Create a new GitHub repo for the capstone. Name it "**Capstone Project**"
- Add this document to your repo. Make sure it's named "**Capstone_Stage1.pdf**"