

How to Use this Template

1. Make a copy [File → Make a copy...]
2. Rename this file: **“Capstone_Stage1”**
3. Replace the text in green

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”**
3. Add this document to your repo. Make sure it’s named **“Capstone_Stage1.pdf”**

[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.](#)

[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](#)

GitHub Username: Edeneast13

Tattoo Me

Description

Tattoo Me will be an app that allows users to search through high quality images for tattoo ideas.

Intended User

Tattoo canvases, Tattoo Artists, Tattoo Enthusiasts, and Artists.

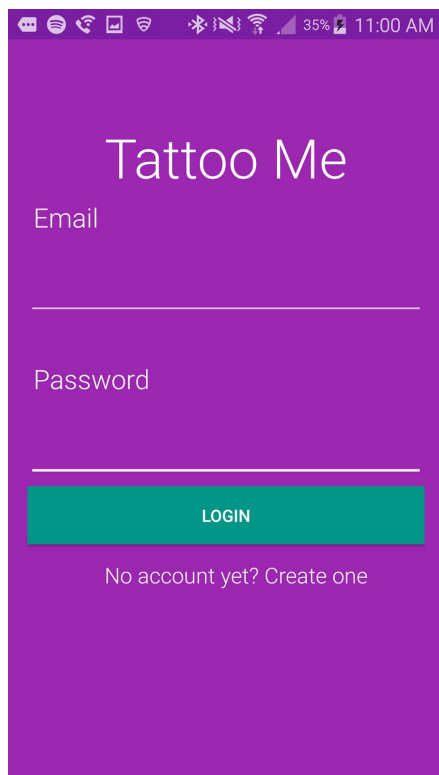
Features

- List most recently uploaded tattoos in main activity.
- Spinner that lets users view separate categories (ex. Animal tattoos, elbow tattoos)
- Users can create an account and save their favorite tattoos. They will be stored locally and in the cloud.
- A Floating action button that allows users to share tattoos to facebook, twitter, etc.
- A user upload activity that allows user to post their own photos and stories about their tattoos using the built in camera or an existing photo. Users can also comment on each others posts.

User Interface Mocks

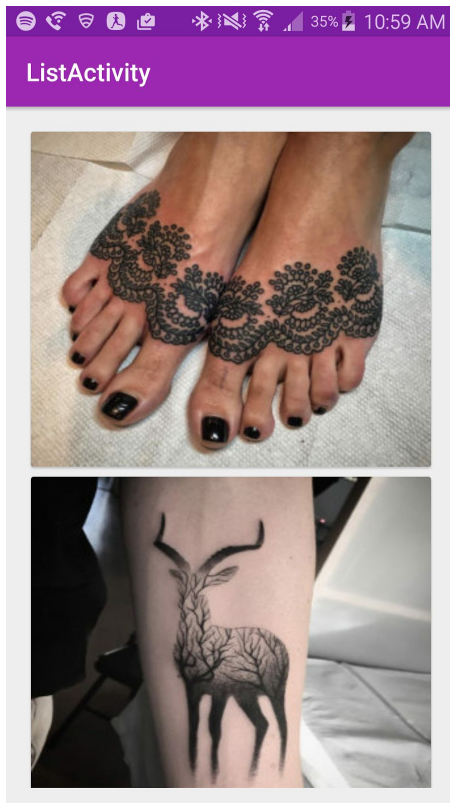
These can be created by hand (take a photo of your drawings and insert them in this flow), or using a program like Photoshop or Balsamiq.

Screen 1



User login and account authentication. Accounts are required for users to upload content and make comments on other users posts. Facebook and Gmail login will be implemented here as well.

Screen 2



Rough mock of what the main activity will look like. This will be what the user sees when they first login. This page will be updated regularly. A spinner will also be implemented on the toolbar to choose tattoo categories.

Key Considerations

How will your app handle data persistence?

Data persistence will be handle using Firebase as the cloud storage option for the app.

Describe any corner cases in the UX.

Photos will be shown in a listview on the main activity. Users will click a photo they wish to inspect further. This will open a fragment with the image fit to the full screen with a transparent action bar.

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

Firebase will be used as the backend for the app because it is flexible and easy to use. Picasso will be used to populate image views due to its caching abilities

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

- Add all library dependencies
- Create main activity
- Set up firebase account

Task 2: Implement UI for Each Activity and Fragment

- Build UI for ListActivity
- Build UI for DetailFragment
- Build UI for login/signup Activity
- Build UI for user sharing activity

Task 3: Backend and Main activity set up

Implement firebase account authentication

- Create account authentication
- Login account authentication

Create custom Recyclerview for list activity

- Imageview within a card view
- Recyclerview adapter

Task 4: Spinner implementation

Create spinner and populate with array list

- Adjust code to update view when spinner is changed

Task 5: Share Button

Implement FloatingActionButton

- Create sharing functionality

Task 6: User Share Activity

- Create RecyclerView for displaying posts.
- Create RecyclerView adapter.
- Implement detail activity for posts and user comments.

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**"
3. Add this document to your repo. Make sure it's named "**Capstone_Stage1.pdf**"