

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**

[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](#)

GitHub Username: **kronikus**

Reddit Saver

Description

Reddit saver will hold your subreddits on your phone and keep them updated. Follow your best reddit and keep yourself updated.

Intended User

This is app for reddit users.

Features

List the main features of your app. For example:

- Saves information
- Works offline
- Updates on start.

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



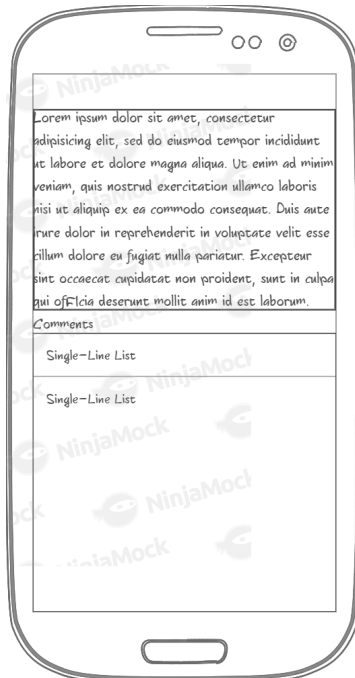
Main activity: List of current chosen subreddits. If no subreddits list will be empty.

Screen 2



Settings screen. List of current chosen subreddits and TextField and button to add new.

Screen 3



Subreddit detail and comments.

Key Considerations

How will your app handle data persistence?

Room Database Library with local SQL database for offline use. Sync info at each app start.

Describe any edge or corner cases in the UX.

Regular application with 3 activities.

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

Room Persistence Library to keep and update data.
Gson work with Json API from Reddit.

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

Firebase Realtime database for updates of newly added reddit and comments.

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

Add libraries: Room, RecyclerView, Gson
Create empty project with Fragment + ViewHolder
Read manuals and examples.

Task 2: Implement UI for Each Activity and Fragment

List the subtasks. For example:

- Build UI for MainActivity
- Build UI for DetailActivity
- Build UI for SettingsActivity

Task 3: Repository and ViewModel

Create repository and ViewModel for data persistence.

Task 4: Json

Implement Gson request to <https://api.reddit.com>

To get info from subreddit

Task 5: Settings

Implement settings saving and restoring.

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**"