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2. Name your document file: "**Capstone_Stage1**"
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GitHub Username: kronikus

Reddit Saver

Description

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

Intended User

This is app for reddit users.

Features

List the main features of your app. For example:
- Able to read chosen subreddits
- Read offline. Subreddits will be saved on your phone.
- Able to see updates on app widget

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.
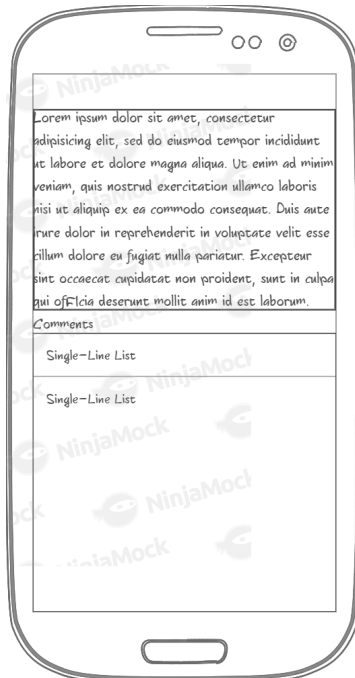
Screen 1

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.

Widget view. Should be showing

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.

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

App is written solely in the Java Programming Language
You will need Android Studio and Gradle.
At the time of writing used by me:
Android Studio 3.2.1
Build #AI-181.5540.7.32.5056338, built on October 8, 2018
JRE: 1.8.0_152-release-1136-b06 amd64
JVM: OpenJDK 64-Bit Server VM by JetBrains s.r.o
Windows 10 10.0
Gradle 3.2.1

Use stable versions of libraries
Add libraries:
Room 1.1.1,
RecyclerView v android support version (26.1.0),
Gson 2.8.5,
Butterknife 8.8.1
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.

Task 6: Widget

Implement widget for notifications about new updates.

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**"