

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**”

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Redditoria

Description

Write a brief summary of what your app does. What problem does your app solve?

The app is a kid friendly version of reddit that filters out nsfw content. My app solves the problem of browsing reddit for android users. Reddit has no official mobile app so users use

reddit is fun among others to browse reddit. That is why I am creating this reddit app as one that all reddit users should use other than the current reddit apps.

Intended User

Who is your intended user? (For example, is this an app for dog owners? Families? Students? Travelers?)

Intended users are imgurians and redditors. This is an app that anyone can and should use to browse reddit as reddit has no official app.

Features

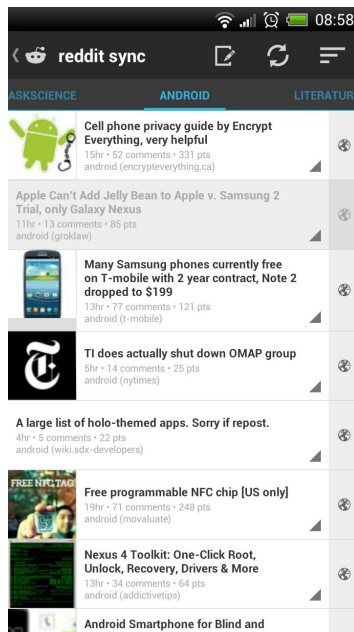
List the main features of your app. For example:

- Allows you to browse reddit on android
- Can always go back to main screen
- Blocks nsfw content

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



Screen for basic browsing of reddit

Screen 2



This is one of the posts from the links on screen 1

Key Considerations

How will your app handle data persistence?

I will pull the data from the reddit json files by creating a json parser to retrieve the data.

Describe any corner cases in the UX.

When the user clicks on a reddit link that is from imgur the action bar will have a back arrow or they can use the back arrow to go back to reddit.

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

I will not be using any libraries for this project as it does not require one to be made.

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

Write out the steps you will take to setup and/or configure this project. See previous implementation guides for an example.

- Go to reddit.com/r/gaming.json and understand how reddit displays data and what each element represents
- Create a new blank activity with fragment project
- Create utility class that connects to reddit and retrieves the data
- Create a class for the individual posts on reddit, screen 2
- Create the class for the screen 1 where all the posts are held
- Add Internet and external storage permission in manifest file

Task 2: Implement UI for Each Activity and Fragment

- Modify the layout folders to fit desired layout of the posts on screen 1 and screen 2
- Create a fragment class for the posts called `postsfragment.java`

Task 3: Add Caching Using MD5

- Create a new java class that will convert url to md5

Task 4: Filter Out NSFW Content

- In the Utility class modify the data parsed so that the data content tagged over 18 a.k.a nsfw are filtered out or blocked on the app

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