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My Reddits

Description

[Reddit](#) is a social networking and news site where community members can create posts and submit links in focused themes called subreddits. This app will let you select your favorite subreddits to follow. You can also see the current hot thread posts and read the latest comments of these threads. The app will filter out thread posts that are not safe for work by ignoring ones with “over_18 = true”.

Intended User

This mobile app intended users wishing to follow and read Reddit thread posts and comments.

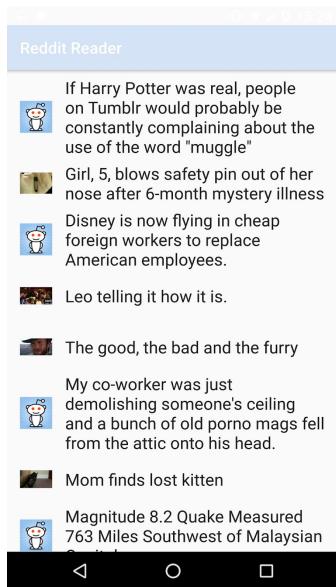
Features

Main features of the app:

- View hot thread posts. Currently, this is the default page when you visit www.reddit.com.
- Search for a subreddit and follow by subscribing to it.
- View hot thread posts for a subscribed subreddit.
- View comments for a thread post.
- View the permalink for the thread post.

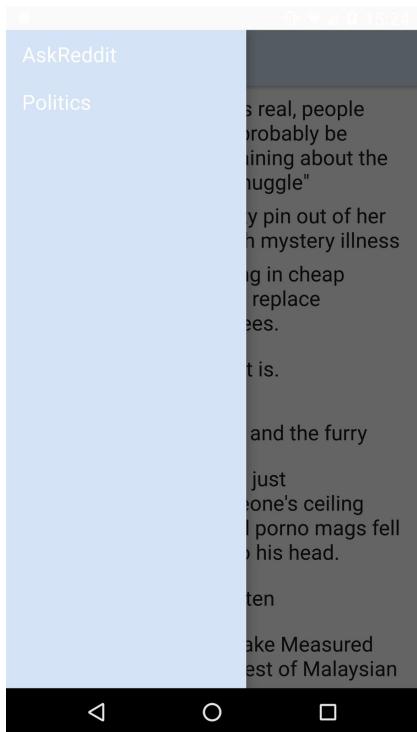
User Interface Mocks

Screen 1



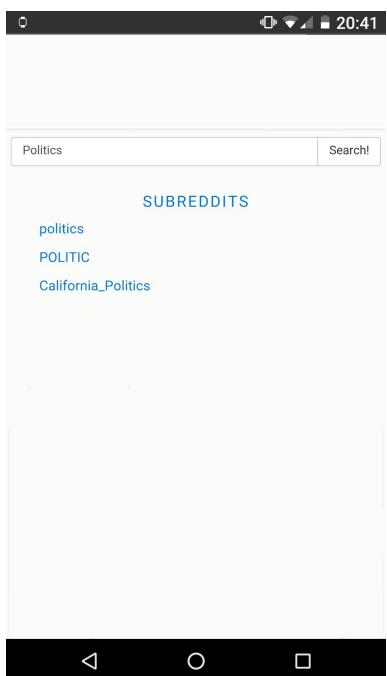
By default, the app will display hot threads from reddit.com. If the user selects a subreddit in the navigation drawer, then it will show thread posts for that subreddit only. These threads will be saved to a local database.

Screen 2



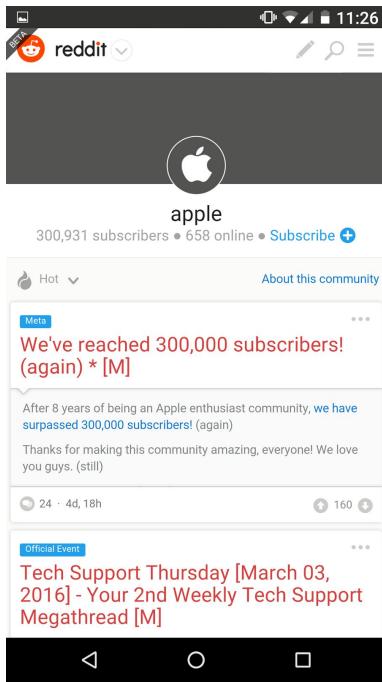
A navigation drawer will allow the user to select subreddits which they have subscribed to.

Screen 3



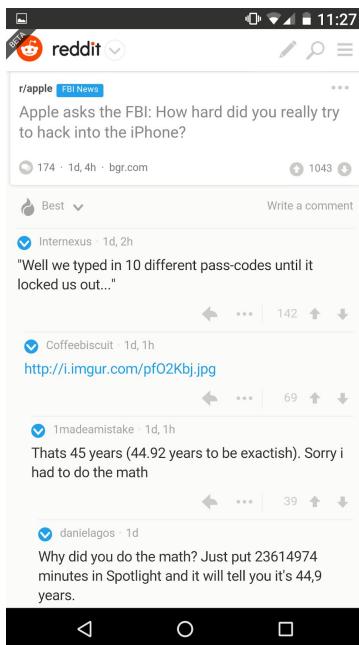
Users can perform a search for subreddits and subscribe to it.

Screen 4



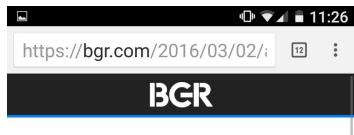
When a sub-Reddit is selected, then the screen will display threads for that subreddit. From here, the user can select the comments or the link to the news article.

Screen 5

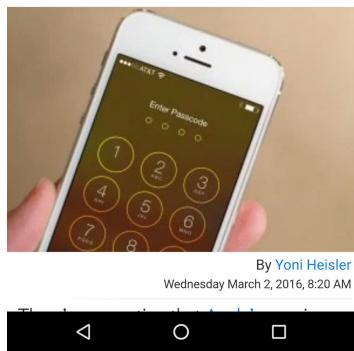


When a comment is selected, then the screen will display comments for that thread.

Screen 6



Apple asks the FBI: How hard did you really try to hack into the iPhone?



If the permalink is selected, then the screen will start an intent to open the associated URL.

Key Considerations

How will your app handle data persistence?

A new content provider will be created to handle data access to the local SQLite database.

Corner cases in the UX

With the exception of the URL linked to the title of the thread, all activities are self-contained within the app. When the user clicks the permalink, a new intent will be created. If the user selects a browser to read the linked article, hitting the back button should return back to this app.

Libraries Used in the Application

I will be using Glide to handle the loading and caching of images. I will be using Retrofit to make HTTP requests to Reddit.com. I'll be using protocol buffers for structured data to avoid having to create getters and setters (boiler-plate code).

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

Define the database schema and classes used to access the database.

- Create the RedditContract by defining classes that implements BaseColumns interface.
- Create a database helper class which extends the SQLiteOpenHelper class.
- Create a content provider for handling data requests.
- Create some unit tests for the classes described above.

Task 2: Implement UI for Each Activity and Fragment

Build the following activities and fragments:

- Build UI for MainActivity
- Build UI for MainActivity fragment which uses a loader
- Build the navigation drawer
- Build UI for searching subreddits and allowing the user to subscribe to them.
- Build UI for displaying comments for a thread post.

Task 3: Implement Google Play Services

Implement Google Play Services.

- Place an ad at the bottom of the activity which displays comments for a thread
- Implement Google Analytics.

Task 3: Create an app widget

Create a widget that provides useful data on the home screen.

- Declare the widget in the AndroidManifest.xml
- Build the layout for the widget.
- Build an app widget class which extends AppWidgetProvider

Task 4: Tidy up the code

Describe the next task. List the subtasks. For example:

- Review all layouts and make sure content descriptions are set.
- Verify that all strings are defined in the strings.xml file.

Task 5: Build and submit the project

Build and submit the project

- Build a signed .apk
- Submit the project