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GitHub Username: KostasC22

MyReddit

Description

Reddit(http://reddit.com) is an entertainment and social networking site where community members can create posts and submit links in themed areas called "subreddits." The following exemplifies how you might address the task of creating a Reddit viewing app in the context of the Android Fundamentals project specifications.

Problem:

The user subscribes to a large number of subreddits, finds it hard to keep up with them, and has long stretches where some are neglected. He/she wants a way to get news/posts/threads from all of them equally.

Proposed Solution:

Design an app that allows a user to indicate a set of subreddits that they would like to follow and store. (Please make sure that your app only pulls content from SFW, or safe for work, subreddits!) Your app should present them with a post from one of their selected subreddits. They can interact with the post (i.e. view image posts, play video posts, etc) or they can dismiss it to receive another. You should display comments (or a subset), thumbnails, and comment text and links. You should use intents to communicate with the Android apps, components, and services that you don't want to or cannot implement. For instance, to view a link, you could use a WebView or you could send an Intent to the browser.
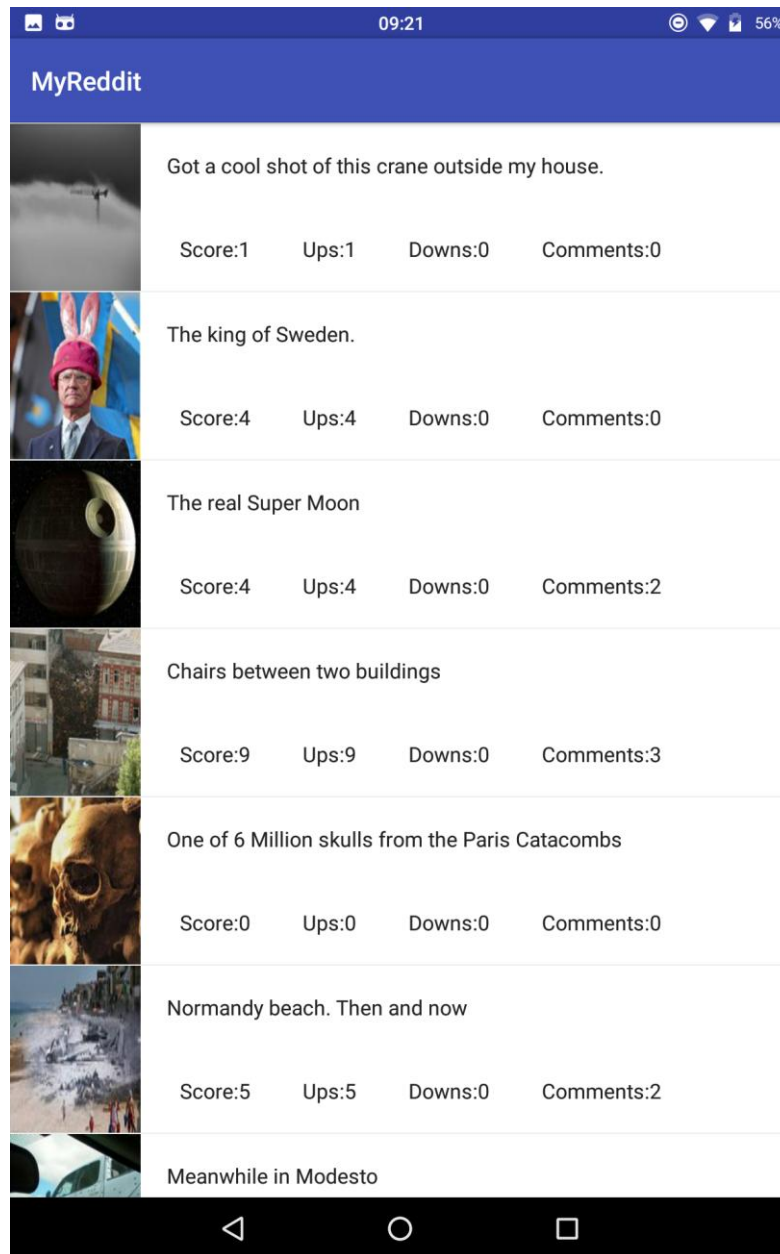
Intended User

All the people which reading the Reddit.

Features

List the main features:
- Display the subreddits
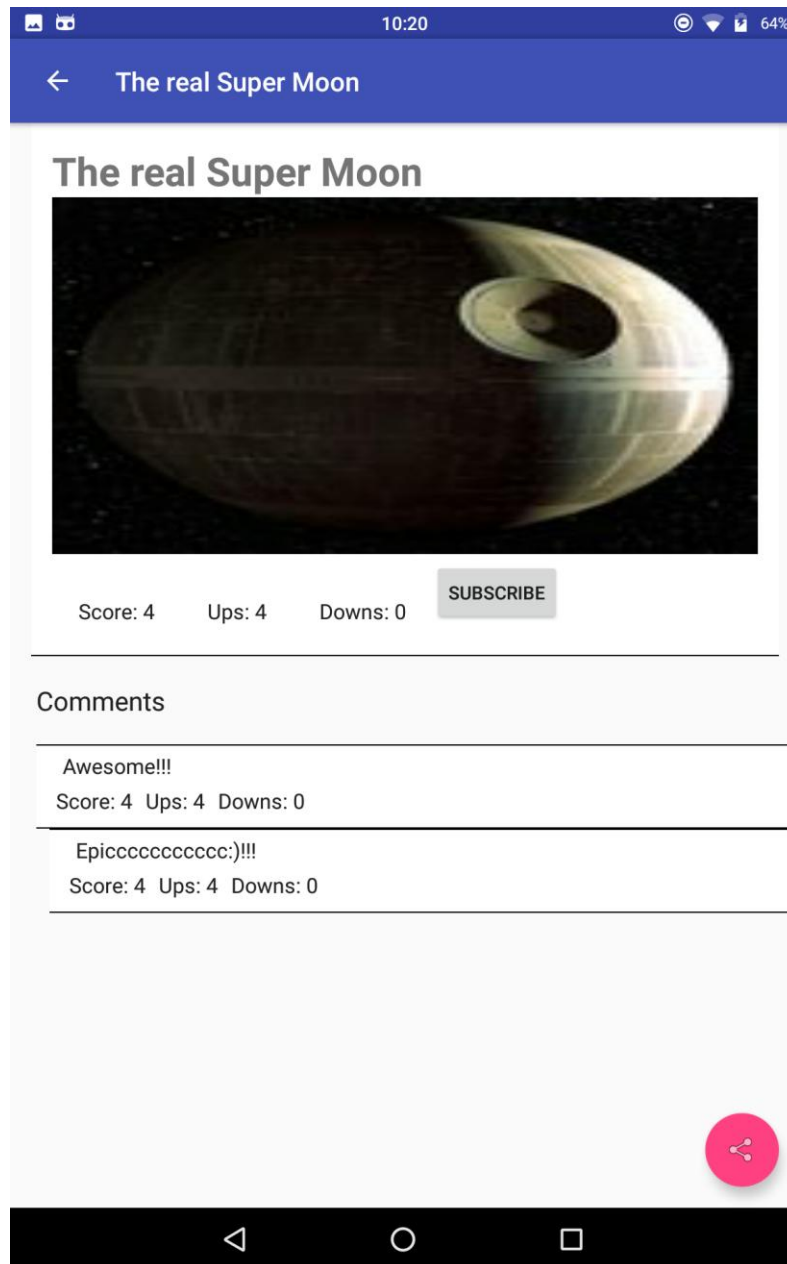- Subscribe to subreddtis

User Interface Mocks

Main Screen

Εικόνα 1 Picture 1

The screen show the Main Screen(Picture 1) of the application, which the user can traverse the subreddits/pics. The user can see the title, score, up and down votes and comments of every subreddit, is in the list.

Detail of Subreddit

This screen(Picture 2) is the detail view of a subreddit which the user has selected, from the Main Screen(Picture 1). In this view the user can see the picture, in actual size. The "Score", "Ups" and "Downs". Finally, show all the comments of the specific subrddit! At the down-bottom corner of the screen is the a floating button, which the user can share the link of the subreddit. The user can also subscribe and unsubscribe to the specific subreddit, so you can receive notification, when a new comment is inserted on the specifi subreddit.

Key Considerations

How will your app handle data persistence?

I will create my own Content Provider.

Describe any corner cases in the UX.
There is the main activity which the user can browse the subreddits. When the user click on one subreddit, open the subreddit with the detail of the subreddit, which is the comments of the subreddit. When the user is in the detail activity of the subreddit, can press the back button and go back to the Main Activity which is the list of the subreddits.

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

I will use the Picasso for loading and caching images, I will also use the Retrofit library make the http calls.

Describe how you will implement Google Play Services.

I will use the Google Play Service Analytics and Mobile Ads inside the application.

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

Create a new Project in the Android Studio. Setup the needed libraries, which mean add the necessary dependencies at the app.gradle.

Task 2: Implement the Reddit API communication

Implement the Reddit API interface, which endpoint of the Reddit api we will need for the project. Then implement the Object Wrapper for the JSON responses of the endpoints.

Task 3: Implement the Main Activity

Design and implement the ContentProvider, which we will store the data from the Reddit endpoints. Then create the SyncAdapter with synchronize the Data between the Reddit and the ContentProvider. Implement the MainActivity contains the List, which is populate from the ContentProvider.

Task 4: Implement the Detail Activity

Implement the Detail Activity, where the data is taken from the Main Activity, after the user has selected a particular subreddit. Also load all the comments for this particular subreddit.

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