

Requirements/Design Analysis

Description

Intended User

Features

User Interface Mocks

- Splash Screen

- Login

- SubReddits

- Home

- Comments

- Widget

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.

Next Steps: Required Tasks

- Task 1: Project Setup

- Task 2: Connect with Reddit

- Task 3: SubReddit List

- Task 4 SyncAdapter

- Task 5: HomeScreen

- Task 6: Comments

- Task 7: Widget

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Reddit App

Description

Reddit app will let users to connect and to get subreddits. App will help user to select subreddits of their choice and see the related threads in the app. User can interact with the app, by comments, likes, dislike etc.

Intended User

This app will be useful for everyone. Users may have a lot of information about subscribed subreddits, the possibility is some of subreddits may be ignored. Now as user will already have selected the categories of subreddits according to one's taste, that will be helpful.

Features

- Login/Connect with Reddit
- Store user preferences
- Showcase subreddits to select
- Interactions to selected subreddits(comment/like/dislike)
- App widget
- Share a post

User Interface Mocks

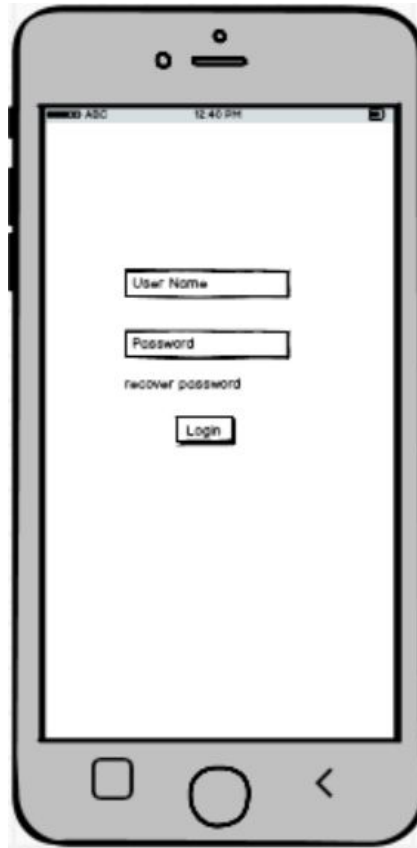
Splash Screen

This screen will show welcome message. This screen will be shown for some seconds to user.



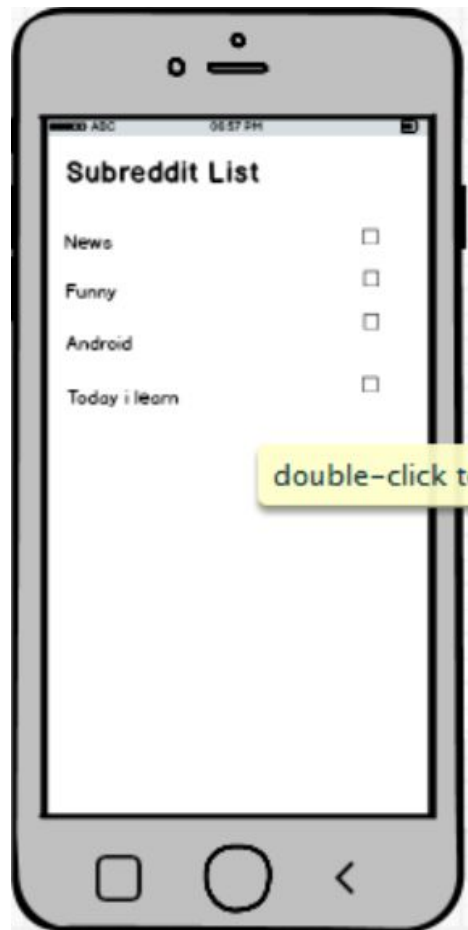
Login

This screen will let user login to Reddit. It will provide fields to fill by user then user will be authenticated. A successful login will lead user to the next screen.



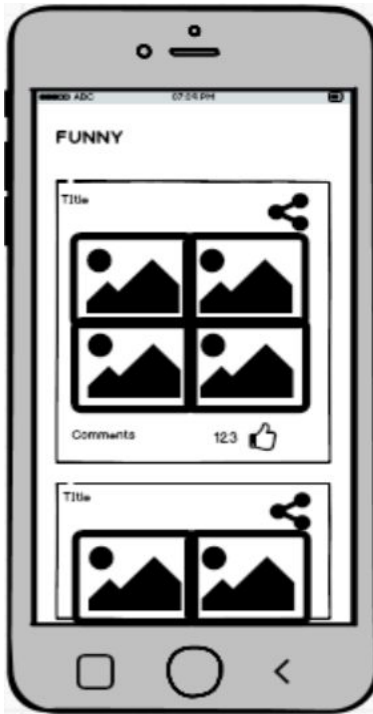
Subreddits

This screen will show user a list of all subreddits. Users can select according to their taste and those selected subreddits will be shown to users in future.



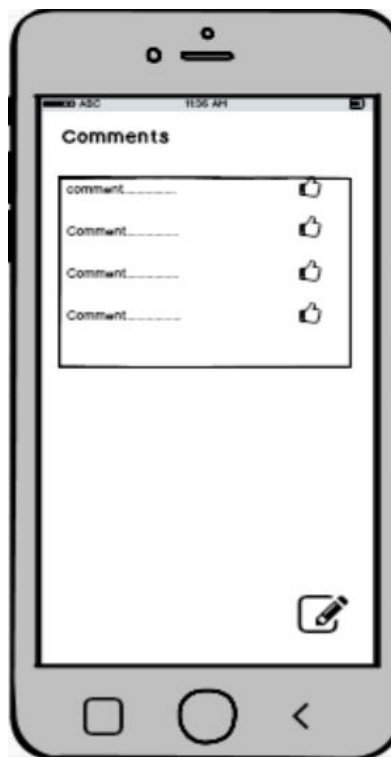
Home

This screen will show all the information about the selected subreddits. User can perform like, comment, share etc to the subreddits.



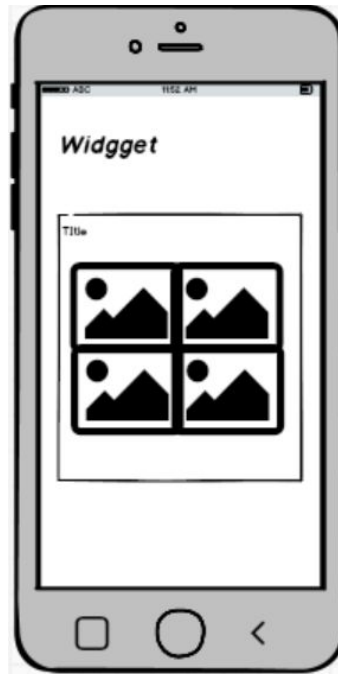
Comments

This will show the comments for selected subreddits. From this screen also, user can write comment to it.



Widget

Option to add application widget to Home will be provided.



Key Considerations

How will your app handle data persistence?

The application will store SharedPreferences to store user preferences. Also Database along with Content provider will be used to store the subreddits related information. That will also help to show some information offline.

Describe any corner cases in the UX.

User will not allow to see anything before successful login to Reddit, In that case user can also want to add widget. That case should be handled.

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

1. JRAW to connect with Reddit server.
2. Picasso to load image stuff.
3. Google play services library
4. Others UI libraries

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

1. Start a new project for Reddit application.
2. Set minimum and maximum android versions to the app

Task 2: Connect with Reddit

With the help of JRAW library, authentication of user will be done. On successful login, user preferences will be stored and that will lead to the MainScreen (Subreddit Lists).

If preferences has no data stored, user will be shown Login screen

Task 3: Subreddits List

- List of subscribed subreddits will be fetched from Reddit server
- Subreddits will be stored with the help of Content Providers

- Design UI to show list of Subreddits, with checkbox, so that user can select threads of one's taste.
- User will select subreddits from list, those will also be stored.

Task 4: SyncAdapter

- This will be used to store data / subreddits.
- That will populate Content provider
- Fetch the latest subreddits (the list of subreddits iterates to get latest on top)

Task 5: Home Screen

- Implementation of listview to show the subreddits related data, which has been selected by user
- Fetch stored subreddits to show as a list.
- Screen will contain subreddit related image, like/dislike button
- A Share button will also be there with each post, so that the selected post can be shared with others
- Scroll up will show old posts and swipe down to refresh will show latest post on the top
- Video contents will be handled inline or by browser

Task 6: Comments

- This screen will show all comments of a selected subreddit.
- A button to write new comment will be there to let user comment
- Scroll down to refresh will load new comments

Task 7: Widget

- Implement widget provider
- Implement widget services and update widget UI with subreddits list
- Onclick widget, modify Homescreen for corresponding action, receive post Id

