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SimpleReader

Description

App allows user to indicate a set of subreddits that they would like to follow and store.
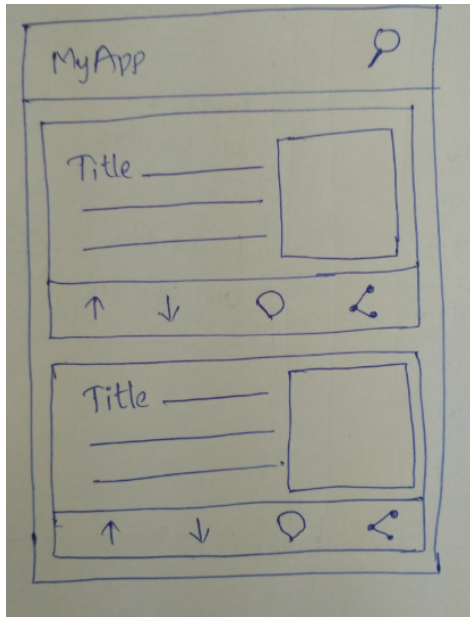
Intended User

All reddit users

Features

List the main features of your app. For example:
- Show posts from subreddits
- Show posts in offline mode
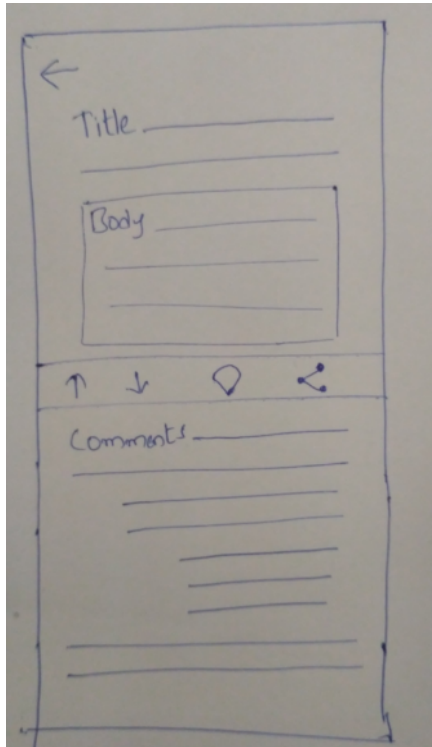- Multiple user accounts

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.
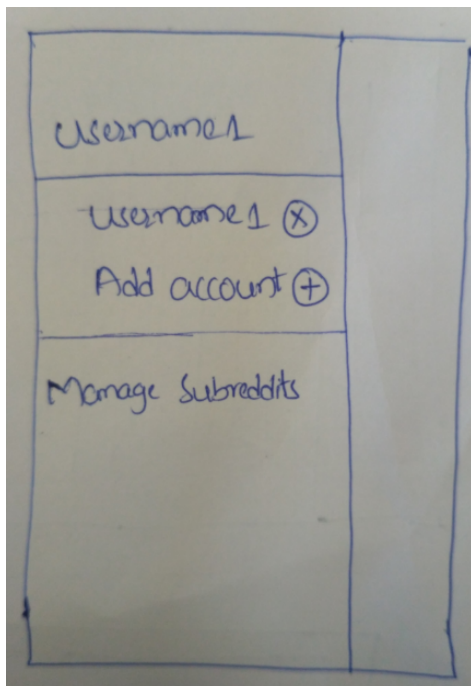
Screen 1
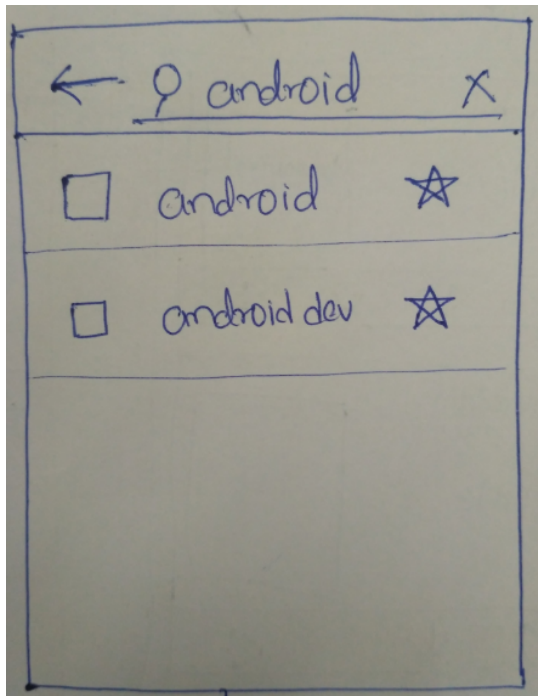

Main screen to show posts from subreddits

Screen 2
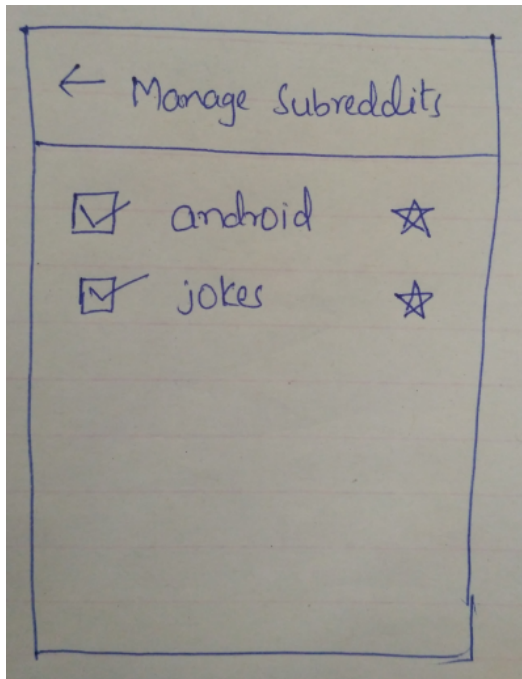

Post details screen with comments

Screen 3

Navigation drawer: Manage accounts and manage subreddits

Screen 4

Search for subreddit

Screen 5

Favorite/unfavorite or unsubscribe subreddit.

Key Considerations

How will your app handle data persistence?

SQLite database backed content provider will be used to store posts and shared preferences for saving user subreddits.

Describe any corner cases in the UX.

Voting and commenting is not allowed for Guest user

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

Picasso to handle the loading and caching of images. Material Design support library to bring Material design to older android versions.

Describe how you will implement Google Play Services.

Ads API will be used to show ads and Analytics will be used to measure user activity

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
- Configure libraries
- Add required permission to Manifest file

Task 2: Implement UI for Each Activity and Fragment
- Build UI for Activities

Task 3: Fetch & show reddit frontpage posts
- Connect to reddit api
- Fetch and show posts in recyclerview
- Implement post details page (show comments etc)

Task 4: Add user login
- Use Reddit OAuth to let the user signin to the app
- Implement multiple account signin option

Task 5: Manage user subreddits
- Implement search and subscribe subreddit
- Implement unsubscribe subreddit

Task 6: Cache posts for offline use
- Use SQLite backed content provider to store posts
- Show stored posts in recyclerview with Loader
- Fetch fresh posts and store periodically