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Redditgo

Description

This App uses reddit.com content to show the reddit's posts.
It shoes front page's posts and subreddit's post and comment the post.
It filters the reddit's post through new, hot, new, rising, controversial, top.
You votes up, down at reddit's post and comment and shares reddit's post at sns

Intended User

The users of www.reddit.com, who signed up this site.
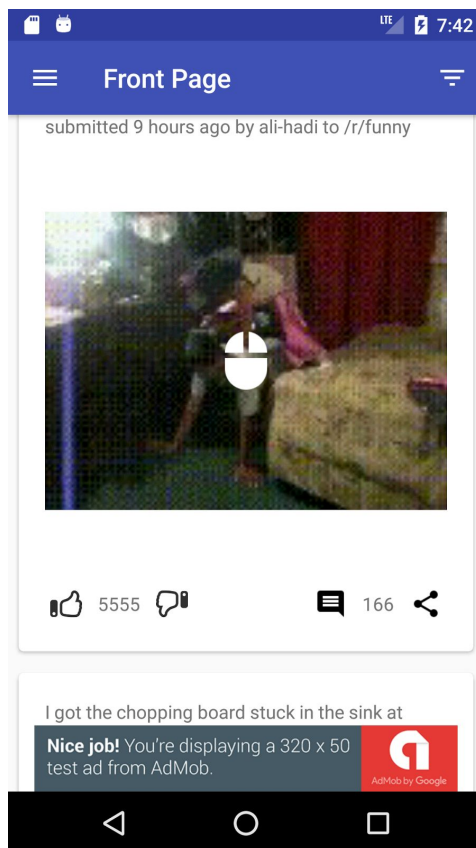They can read subreddits, vote reddit's posts, comment posts.

Features

- Signs in reddit through app
- Reads subreddits
- Comments reddit's post.
- Votes reddit's post

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.
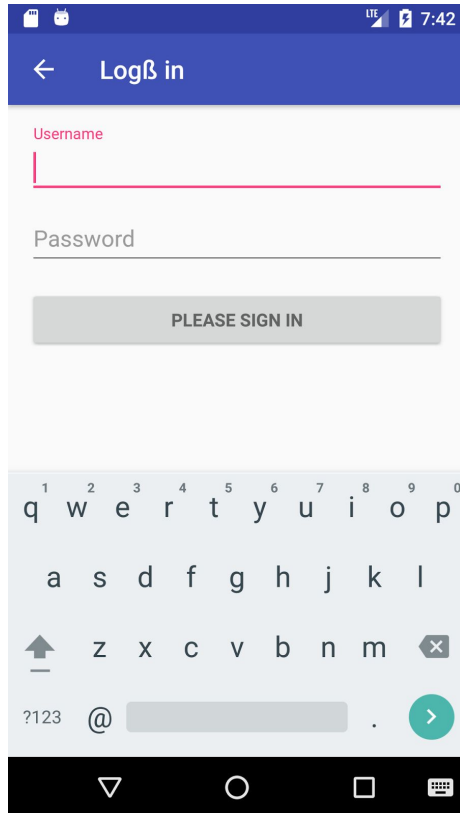
Main Screen

- reddit's post list
- subreddit side menu
- filter options, hot, new, rising, controversial, top

Login Screen

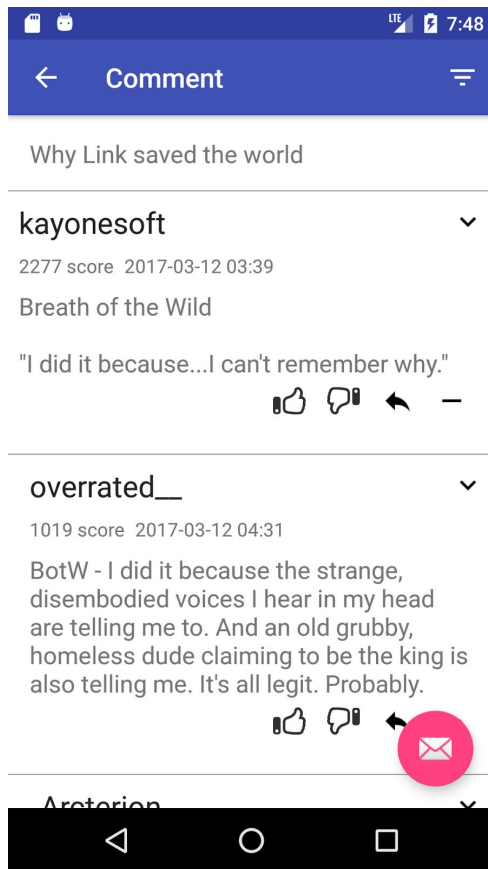- username & password input box
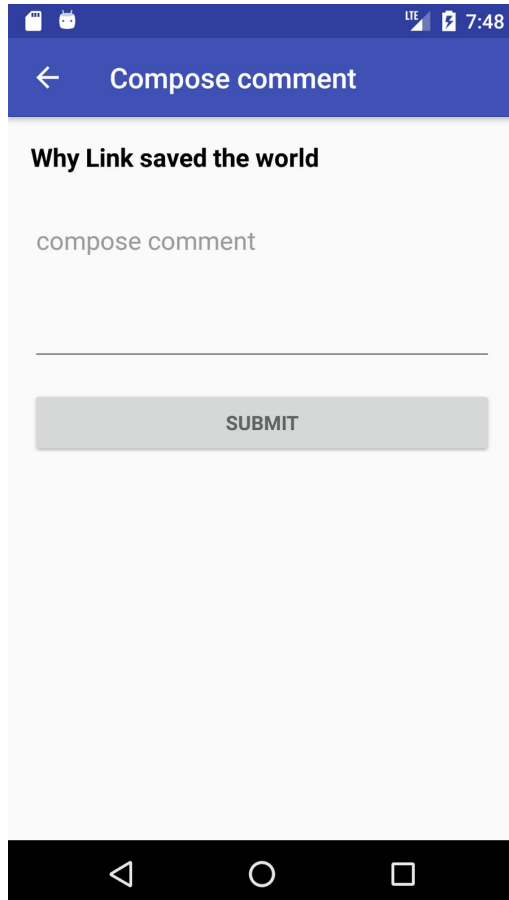- sign in action

Comment Screen
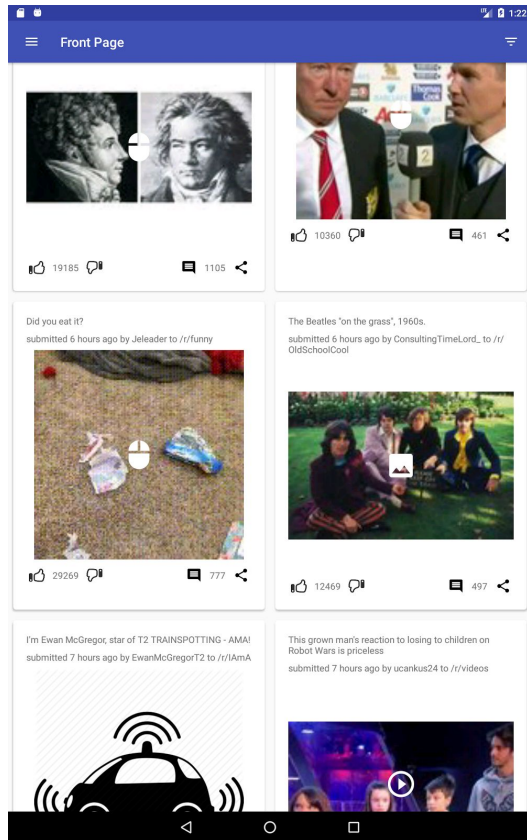
- comment list
- compose comment

Compose Comment Screen
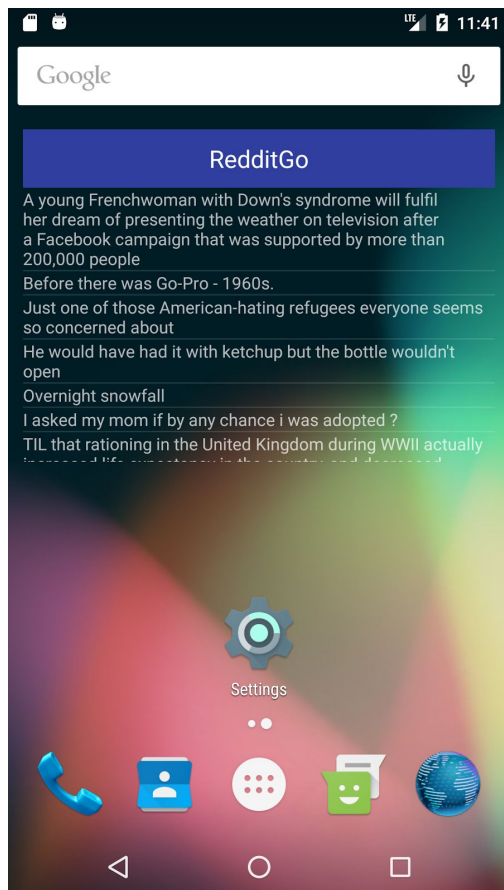
- Comment input box
- Comment submit button

Tablet Screen

- according to table size there are 2 or 3 columns of reddit's post

Widget Screen

- show front page reddit's posts

Key Considerations

How will your app handle data persistence?

- Username & oauth token store in the shared preference
- subreddit list and reddit's posts provide the content provider

Describe any corner cases in the UX.

- When this app starts, it display front page's posts in main list.
- The filter options are at top menu. Hot, new, rising, controversial, top
- At the side menu there are subreddit list

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

- JRAW: reddit api wrapper
- dagger: injection library
- butterknife: resource injection library
- glide : Image library
- schematic: content provider & sqlite wrapper
- android-priority-jobqueue: job scheduler
- eventbus: Android optimized publish/subscribe event bus
- Android Support Library: Material Design UI
- YouTubeAndroidPlayerApi : youtube android sdk
- stetho: debugging tool
- phrase: android string formatting
- PhotoView: zooming ImageView, by various touch gestures.
- material-dialogs: material dialogs

Describe how you will implement Google Play Services.

adMob : google play service for ads
Analytics : google play service for analytics

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 an android application using Android studio.
- Add library module to redditgo
- Dependencies and library contain this app.

Task 2: Implement UI for Each Activity and Fragment

- MainActivity: reddit's post list, subreddit side menu, option filter menu
- LoginActivity: username & password, sign in button, progress bar for signing in.
- CommentActivity: comment list, compose comment, vote button
- ComposeCommentActivity: comment input box, submit button.

Task 3: Implement reddit api & Job Queue
The job queue is to schedule job that runs in background.

- get logged in account.
- delete comment that the authenticated user posted.
- get the submission comment
- Send a reply to comment or submission
- Votes on a comment or submission
- Sign in reddit.com
- Fetch submissions or subreddits

Task 4: Content Provider
- subreddit: subreddit list content provider
- submission_frontpage: front page submission content provider
- submission_all: all submission content provider
- submission: other submission without front page and all submission content provider.