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Reddit Star

Description

Hey Reddit lovers, don't miss your favourite subreddits. Use this app with fantastic and easy to use UI to mark(select) subreddits you want to follow and this app will present them in a list. Want to go deeper? There are tons of customization available. You can view image,play videos and comment on post
Need a shortcut to see recent posts? Use the widget to see latest posts in your home screen.

Intended User

Readers of popular entertainment and social news networking service Reddit

Features

- Allows adding to or removing subreddits from your subscription list

- Save user information and preferences
- Allows to vote and comment
- Allows to view images, play videos etc
- Provides home screen widget
- Presents list of top posts from each of the subreddits in user's subscription
- Allows opening details view of the post with full bleed image and comments
- Allows but doesn't require logging in to reddit.com

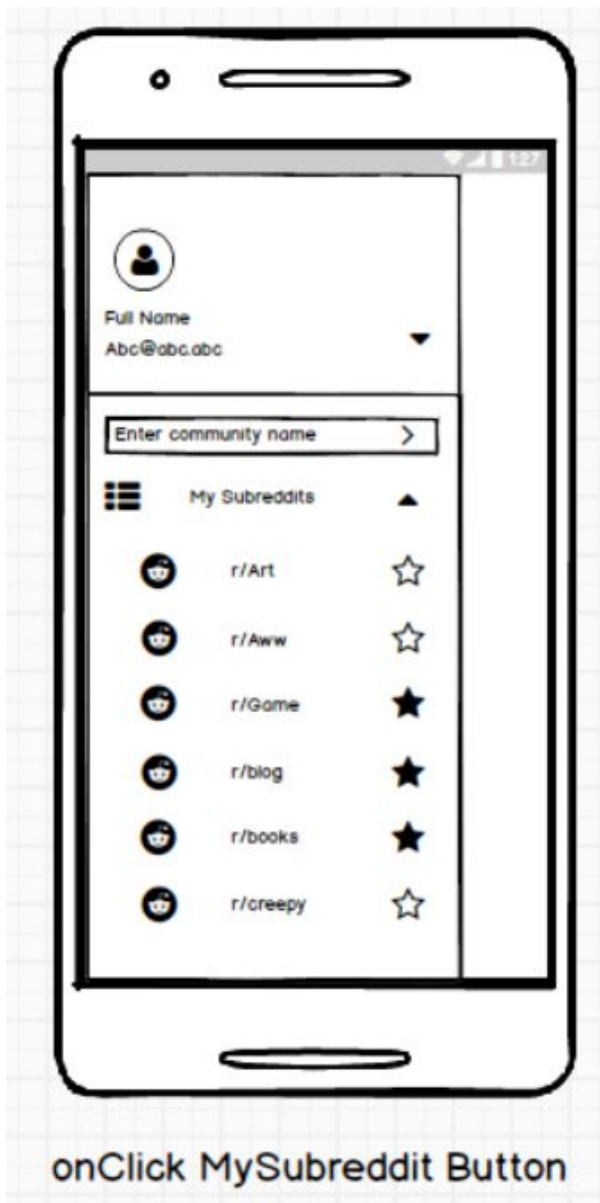# User Interface Mocks

Screen 1 : Home Screen

User will see list of subreddits posts from their respective favourite subreddits.

Screen 2 - Drawer Layout

Drawer Layout

Screen 3 : onCLick MySubreddit Button

onClick MySubreddit Button

Screen 4 : Search activity

Search Activity
User can search
subreddits and can mark
them favourite
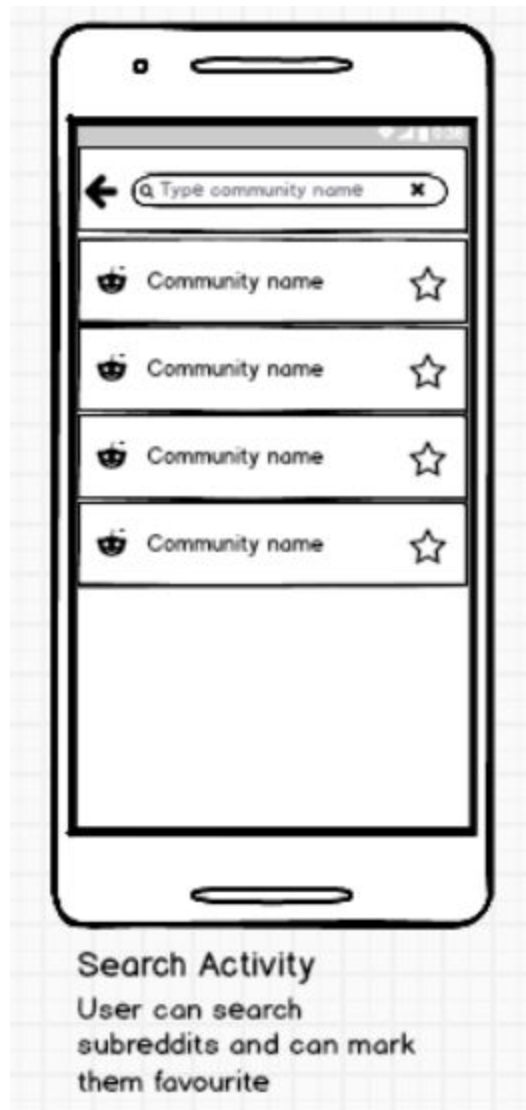
Screen 5 : Favourite Screen

Favourites Screen
User can rank their
favourites subreddits
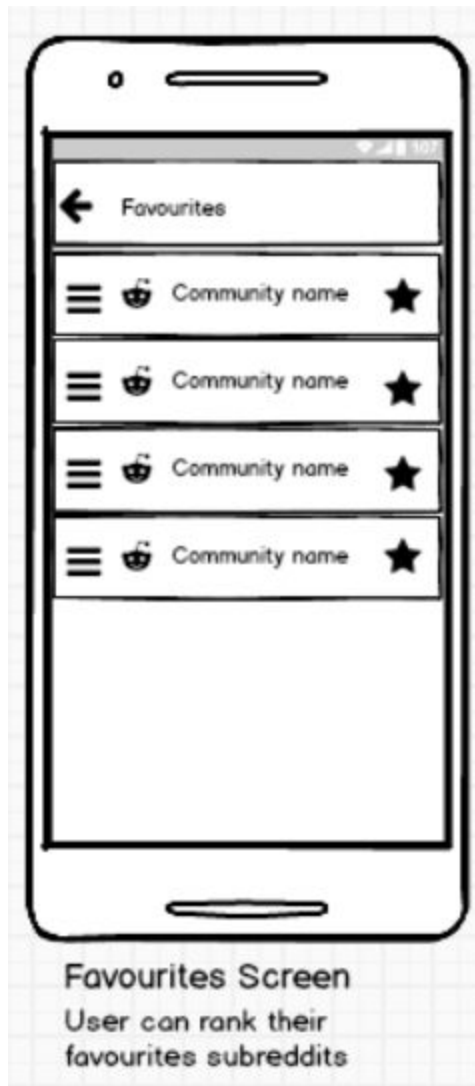
Screen 6 : Specific Subreddit Screen

Specific Subreddit List Screen

Screen 7 : Detail Screen

You can play video, view image etc,
upvote, share, see comments, reply them
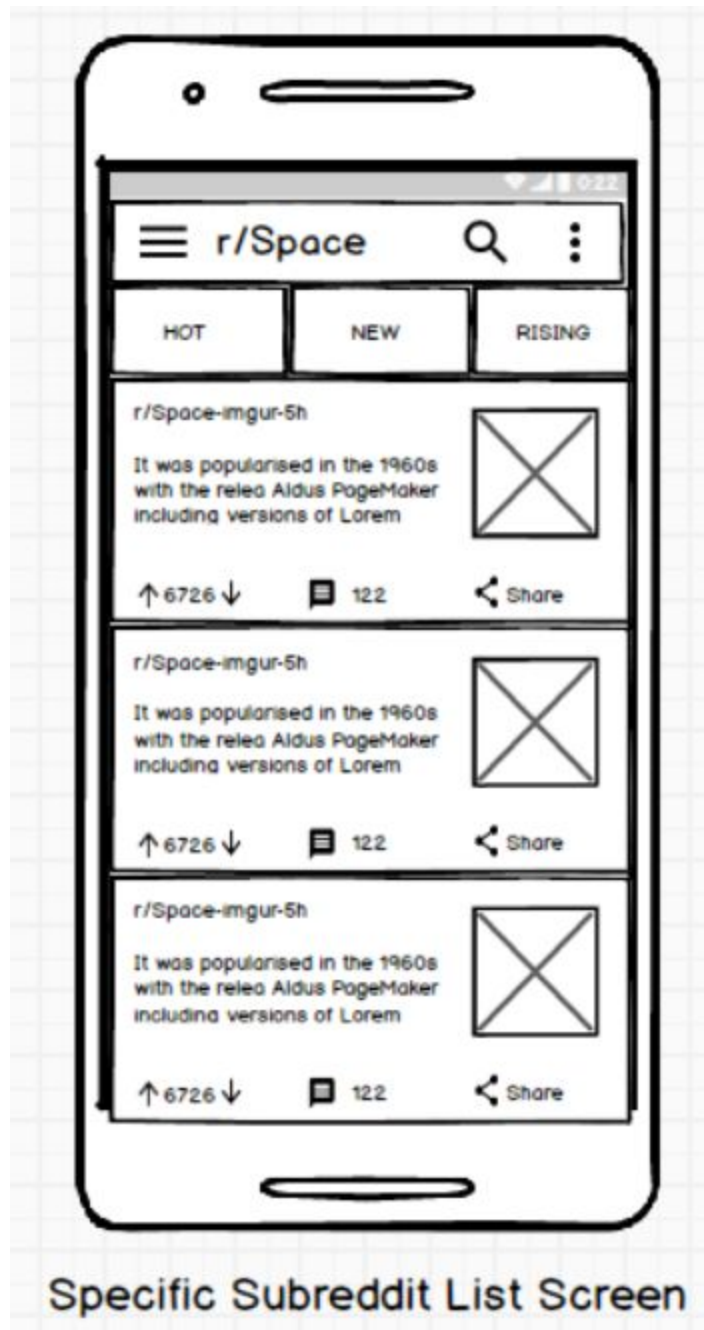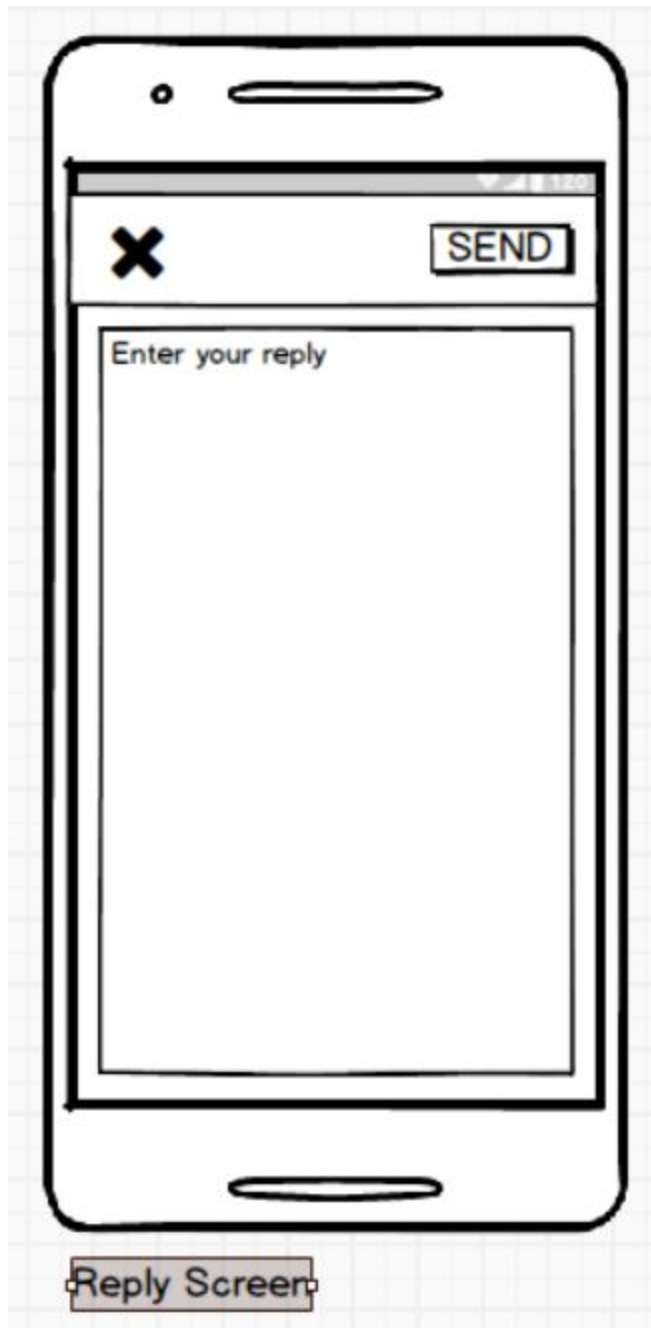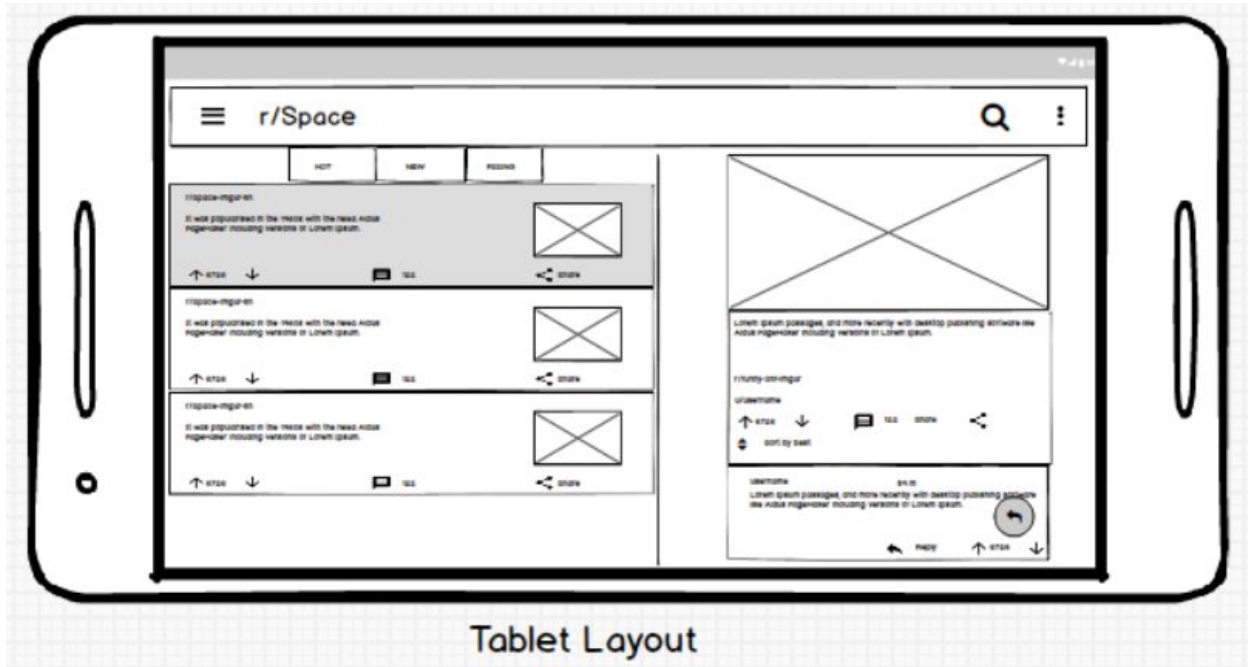
Detail Screen
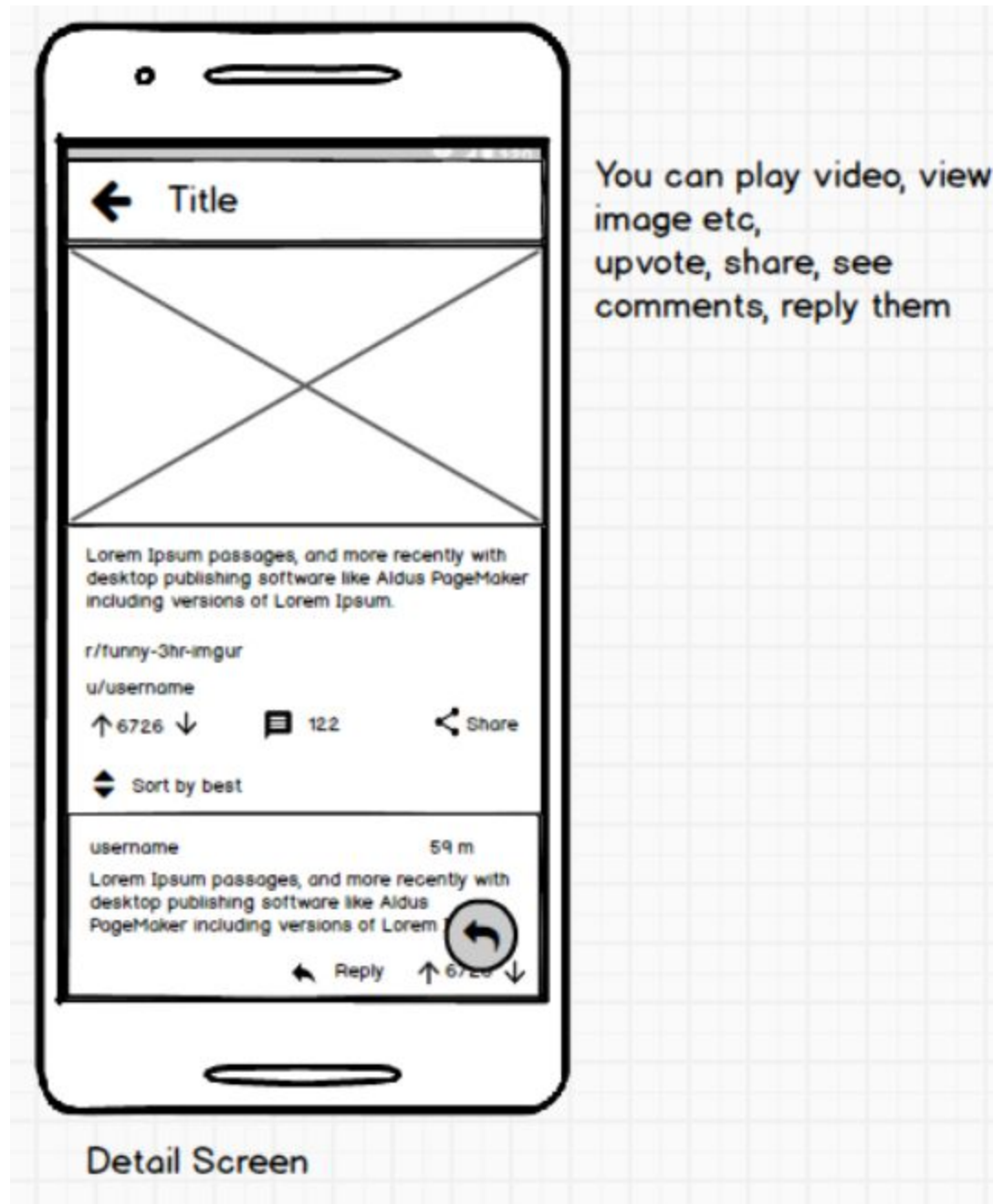
Screen 8 : Reply Screen

Screen 9 : Tablet Screen

Tablet Layout

Key Considerations

How will your app handle data persistence?

App will use Content Provider and Shared Preferences

Describe any corner cases in the UX.

- Widget can only present posts if user has marked them as favourites
- If user enters wrong community name in drawer layout editText then a toast will bo shown
- In tablet mode if a link is clicked then it will launch on google chrome instead of fragment
- Features like reply, vote and comment won't work unless user is logged in and an error message will be shown to the user using either toast or snackbar

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

- Glide to handle the loading and caching of images.
- Retrofit and OkHTTP for networking calls
- Lombok for writing getters and setters
- Dagger 2 for dependency injection
- Butterknife for view injection
- Schematic for auto generating Content Provider
- LeakCanary for detecting leaks
- SparkButton for creating beautiful animation on button click

Describe how you will implement Google Play Services.

- Firebase Crash Services
- Firebase Admob
- Firebase Analytics

Next Steps: Required Tasks

Task 1: Project Setup

- Download all above libraries and configure them

Task 2: Implement UI for Each Activity and Fragment

- Build UI for Home Screen
- Build UI for Drawer Layout
- Build UI for Search Activity
- Build UI for Favourite Activity
- Build UI for Subreddit Activity
  - Create Sliding Tab
  - Create ViewPager
- Build UI for Detail Screen (Phone and Tablet)
- Build UI for Reply Screen

Task 3:Home Screen

- Implement rest API to get subreddits and show them on the home screen

- When the user is not logged in then inform him using Alert Dialog to Log in to use favourites feature
- Add Swipe to refresh feature
- Implement Content Provider to stores user's favourite Subreddits
- Implement Loader Callbacks to inject Content Provider data into recycler view

Task 3:Drawer Layout
- Implement Content Provider to stores user's subscribed Subreddits
- Use loader callbacks to update subscribed subreddit list

Task 4:Search Activity
- Create rest api for reddit Search Api
- Show the results on recycler view
- Use Content Provider Loader to show which of the displayed subreddits are also marked as favourites
- When User selects(clicks) on any subreddits then open New Fragment to show posts from selected subreddits

Task 5:Favourite Activity
- Display user's favourite subreddits from content provider
- Give them option to remove subreddits from their favourite list
- Implement rank (drag) feature of selected subreddits

Task 6:Specific Subreddit Screen(Fragment)
- Create rest api to get specific posts from given subreddit
- Show them on recycler View
- When any item(post) is clicked then user will be redirected Detail Activity
- Add Swipe to refresh feature

Task 7:Implement some Reddit Api
- Implement reply Api
- Implement upvote and down vote api

Task 8:Detail Activity
- Create rest api to get detail data of selected post
- Show the comments on the recycler view
- Add Swipe to refresh feature
- Implement code to play video, show Images, open webpage in chrome, play youtube video

Task 9:Reply Activity
- Create rest api to reply on selected post/ comment

Task 10:Tablet Mode
- Implement tablet layout

Task 11:Widget
- Create Widget UI
- Implement widget Service
- Get the data from content provider and show them on the widget

Task 10:Sync Adapter
- Create Sync Adapter and required stub classes
- Sync in every in 10 minutes and update posts of favourite subreddits