GitHub Username: osamashabana95

Spot

Description

. the app is written solely in the Java Programming Language

. an app that allows a user to indicate a set of subreddits(themed areas such as movies and news) that they would like to follow and store from reddit.

.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.

Intended User

.For all users

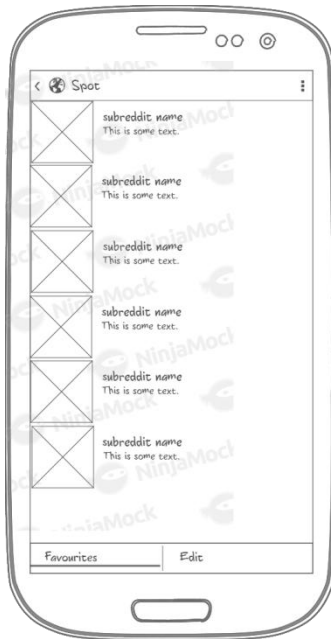## Features

- App includes support for accessibility like the use of contentDescription attribute
- Ability to choose subreddits which user interested in
- Present posts from subreddits

- Ability to interact with post (i.e. view image posts, play video posts, etc)
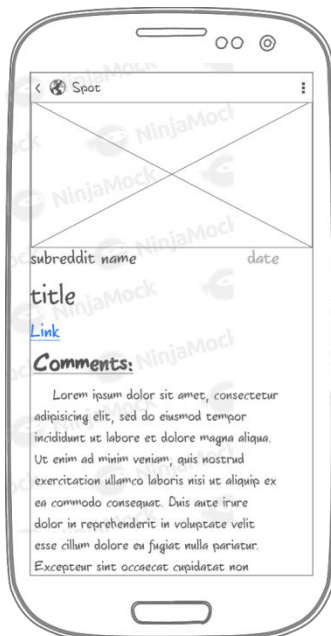- Other features

User Interface Mocks

Screen 1

The main screen which user see posts of chosen subreddits in it.

Screen 2

Details screen to show the clicked post details.

Screen 3
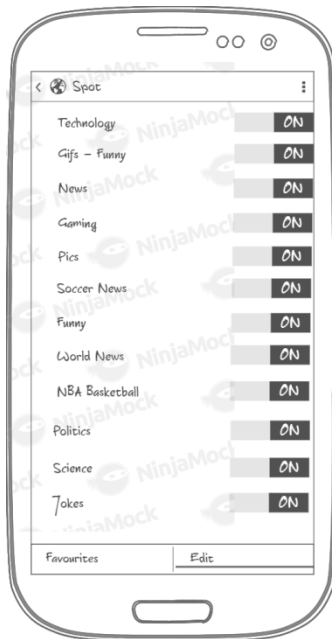
Edit screen to choose subreddits .

Screen 4
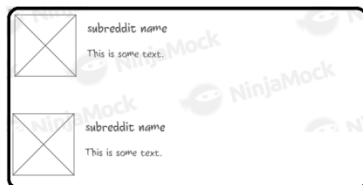
Widget screen to show posts outside the app.

Key Considerations

Will your app integrate two or more google services?

Yes,The app will integrate services like:
  Google Mobile Ads
  Google Analytics

How will your app handle data persistence?
Using content provider to store last posts data to use it in offline mode by sqlite.

First making contract class to define a schema.
Second create a class extends SQLiteOpenHelper class contains a useful set of APIs for
managing the database.

Describe any edge or corner cases in the UX.

App keeps all strings in a `strings.xml` file and enables RTL layout switching on all layouts.
Using onSaveInstanceState to save the state of exoplayer when changed to landscape mode
and save the state of list position when back from details activity to main activity.

Describe any libraries you'll be using and share your reasoning for including them.
The app uses the stable release version of all libraries, Gradle, and Android Studio like:
-Gradle   Version : 4.4
-Android Studio   Version : 3.1.3
-Picasso to handle the loading and caching of images.   Version : 2.5.2
-Butter Knife to find and automatically cast the corresponding view in your layout. Version : 8.8.1

Next Steps: Required Tasks

This is the section where you can take the main features of your app (declared above) and
break them down into tangible technical tasks that you can complete one at a time until you
have a finished app.

Task 1: Project Setup
- Configure libraries
- Build project

Task 2: Implement UI for Each Activity and Fragment

- Build UI for MainActivity with Navigation bar
- Build UI for FavoritesFragment
- Build UI for EditFragment
- Build UI for DetailsActivity
- Build UI for Widget

Task 3: Implement Favorite Fragment for getting data based on preferences

- Create layout
- Build recycle view by creating an adapter

- Arrange data to get news/posts/threads from all of subreddits equally
- Bind data with views

Task 4: Implement Edit Fragment for Editing preferences

- Create layout
- Bind between preferences of a user and presented posts

Task 5: Implement loader for moving data to its views

- Create Loader
- Specify for each loader task id

Task 6:Implement AsyncTaskLoader for getting data using API in background

- Make oncreateloader returns new Asynctaskloader
- Make http request and get json data

Task 7: Implement Details Activity for presenting post details

- Create layout
- Get post data from Intent
- Bind data with views

Task 8: Implement Widget for presenting posts

- Create layout
- Bind data with views