How to Use this Template
1. Create a new document, and copy and paste the text from this template into your new document [Select All → Copy → Paste into new document]
2. Name your document file: "**Capstone_Stage1**"
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GitHub Username: Dex1019

Reddit Reader

Description

A Reddit client app which allow users to subscribe and view the latest subreddit posts.

Intended User

All Reddit users.

Features

List the main features of your app.
- Show posts from subreddits
- Show post in offline mode
- User login feature and store subreddit preference

Libraries used in the project

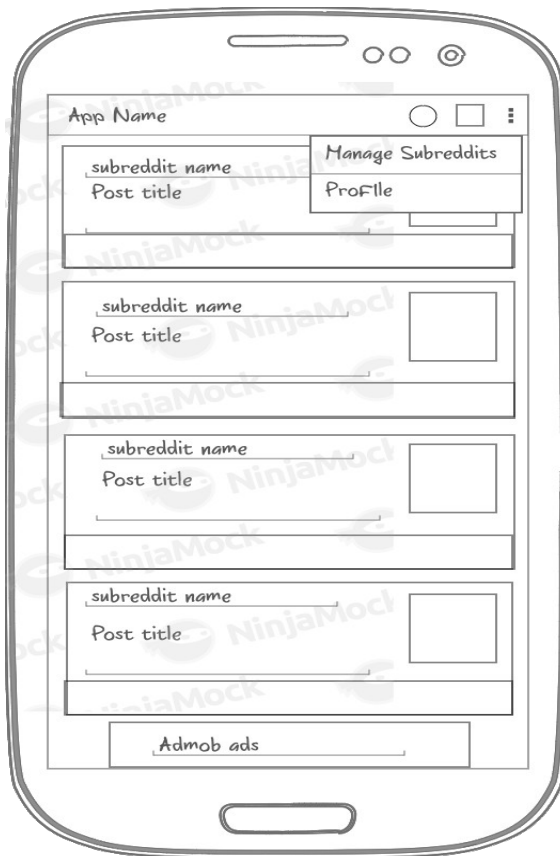| Libraries Name	Stable Version
1) Picasso	2.5.2
2) Chrome Custom tabs	27.1.1
3) Stetho	1.4.2
4) Butterknife	8.5.1
5) Schematic	0.7.0
6) Google Analytics	10.0.1
7) Jraw	0.9.0
8) Gradle	4.6
9) Android Studio	3.2.1

Project Specification

- App is written solely written in Java programming language

- App keeps all strings in a strings.xml file and enables RTL layout switching on all layouts

- App uses a widget to provide relevant information to the user on the home screen

- App updates data at regular interval using jobscheduler.

- App includes support for accessibility having description for images.
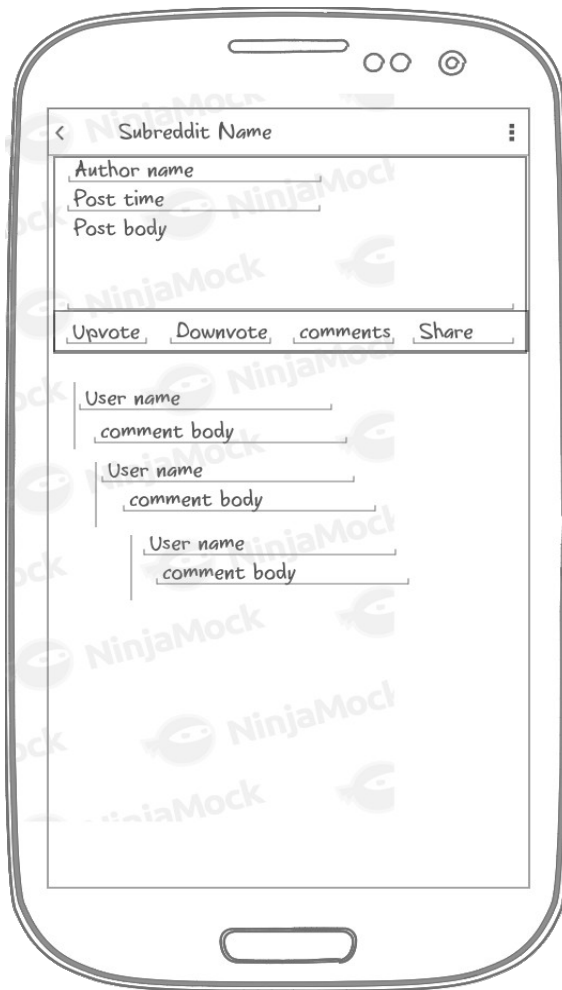
User Interface Mocks

These can be created by hand (take a photo of your drawings and insert them in this flow), or using a program like Google Drawings, www.ninjamock.com, Paper by 53, Photoshop or Balsamiq.

Screen 1

Main screen to display subreddit posts.
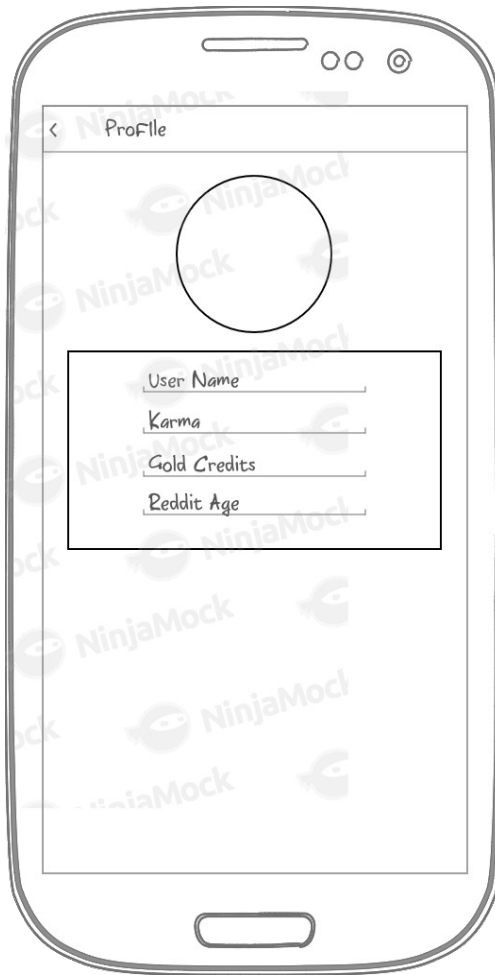
Screen 2

Post detail screen with comments.

Screen 3

Search screen for subreddit.

Screen 4

Manage subreddits with favorite and subscribe/unsubscribe feature.

Screen 5

Profile

User Name

Karma

Gold Credits

Reddit Age

Manage profile and accounts.

Widget Screen

Show recent post in the widget screen

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 edge or 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. Schematic library to make creation of content provider easy.

Describe how you will implement Google Play Services or other external services.

Google Admob is used to display ads and Google 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 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
● Add required permissions in Manifest file

Task 2: Implement UI for Each Activity and Fragment
● Build UI for PostList Actitvity
● Build UI for PostComment Activity
● Builde UI for Subreddit manage Activity

Task 3: Fetch & display reddit frontpage posts
- Connect and register app to the Reddit API
- Fetch data, parse it and display information in recyclerview
- Implement post detail page which includes comments of the user

Task 4: Add user login
- Use Reddit Oauth2 to implement login feature

Task 5: Manage user subreddits preference
- Implement search and favourite subreddit
- Implement subscribe/unsubscribe subreddit feature

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

Task 7: Create widget
- Create a collection widget to show posts