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Socialize

Description

Social Media* followers at a glance ...!!

1. Socialize will provide users with the summary (Graphical as well as text) of their Social Media followers.
2. Socialize will use standard APIs provided by respective social media platform.
3. Socialize will represent the information in an attractive and understandable UI.

Intended User

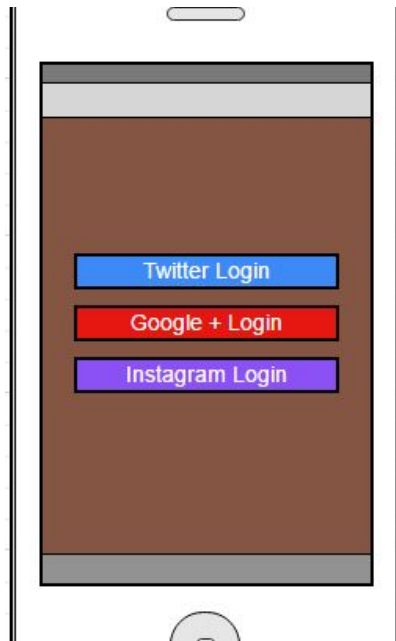
1. Any individual person.
2. An organization trying to monitor/grow their online presence.
3. PR or Marketing Agencies.

Features

- Login with Twitter, Instagram, Google+
- Get followers of each platform.
- Present it to user in a graphical (bar/pie chart) as well as textual way.
- Use of Analytics to track followers during a specific time period.

User Interface Mocks

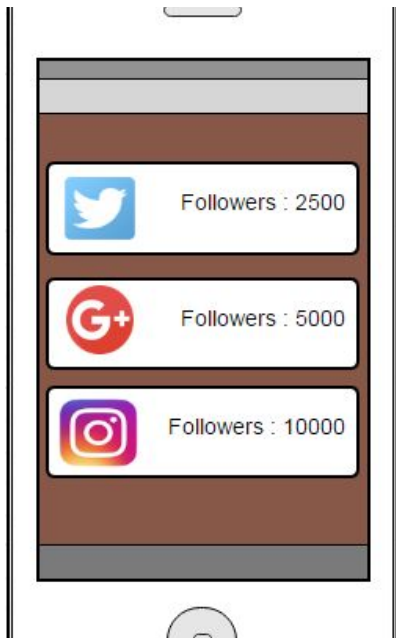
Screen 1



Description :

Screen 1 will have 3 buttons for logging in into each social media platform.

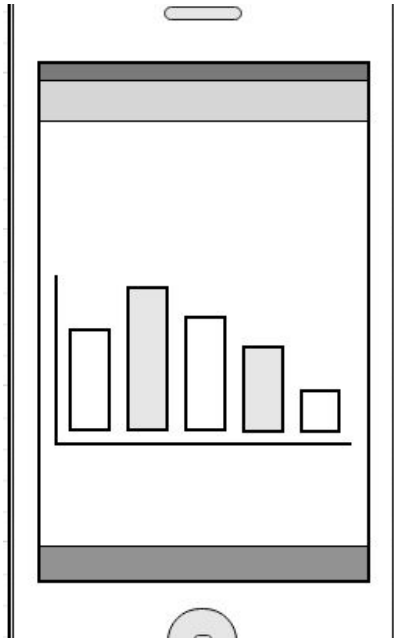
Screen 2



Description :

Screen 2 will have 3 custom card views that shows the social media platform and their total follower count.

Screen 3



Description :

- Clicking on card from screen 2 will take user to this screen.
- This screen will have a graphical representation (Bar chart/Pie Chart) of followers against time.

Key Considerations

How will your app handle data persistence?

Using third party database. (Realm)

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

1. Twitter fabric - For Twitter login
2. Google Play Services - For Google Plus login
3. Realm - For data persistence
4. Firebase - For Analytics

5. Retrofit - For HTTP calls
6. Glide- For Image Loading
7. WilliamChart - For Graphs

Describe how you will implement Google Play Services.

Firebase Analytics used to track the followers in a specific time period. It will internally use Android SyncAdapter to call required APIs and get data. Socialize will log a custom analytics event every time after SyncAdapter completes its sync process.

Required Tasks

Task 1: Project Setup

- Creating Social Media projects on their respective developer portals.
- Setting up all libraries.
- Setting up skeleton android code.

Task 2: Implementing Core APIs One by One

- Implementing Twitter API
- Implementing Instagram API
- Implementing Google Plus API
- Writing SyncAdapter to call certain APIs at a constant time interval

Task 3: Data persistence using Realm

- Maintaining data in Realm database.

Task 4: Developing User Interface

- Custom Button for Instagram login
- Bar graph implementation using WilliamChart
- Designing for tablets
- Following material design guidelines
- Developing and designing a widget which will display the summary of social media followers count along with its logo.