KhetiPoint / Full stack Assignment

The goal of this assignment is to build a simple single screen web app(app) which shows the current trending Github repositories fetched from a public API. The design and business specifications have been provided below. We expect you to follow it as closely as possible.

We have deliberately kept the app simple enough for everyone to attempt it, but we are keen to see the approach you take to solve it. You have the freedom to give your best into it and demonstrate your skills for us to evaluate you better.

Requirements

- The app should fetch the trending repositories from the provided public API and display it to the users.
- While the data is being fetched, the app should show a loading state. Shimmer animation is optional.
- If the app is not able to fetch the data, then it should show an error state to the user with an option to retry again.
- All the items in the list should be in their collapsed state by default and can be expanded on being tapped.
- Tapping any item will expand it to show more details and collapse any other expanded item. Tapping the same item in an expanded state should collapse it.
- The app should give a pull-to-refresh option to the user to force fetch data from remote.

Acceptance Criteria

Your assignment has more chances of being accepted if -
- We highly prefer you to use ReactJs(Angular is also good)
- It follows the given UI design guidelines closely
- All design should be mobile responsive
- It doesn't follow SRP in the architecture (it should be extensible, maintainable and testable)
- It follows granular, meaningful Git commit history (refer here)
- Has good unit and UI test coverage
- Follows reactive paradigm (Rxjs)
- Has proper abstraction for Dependency Injection

API Details

The complete API docs are available [here](). You need to fetch the data from /[repositories]() endpoint. The "language" and "since" are optional parameters and are not needed in this case.

You will get a list of the trending repositories as a response from this API. If interested, you can have a look at the backend source code [here]().
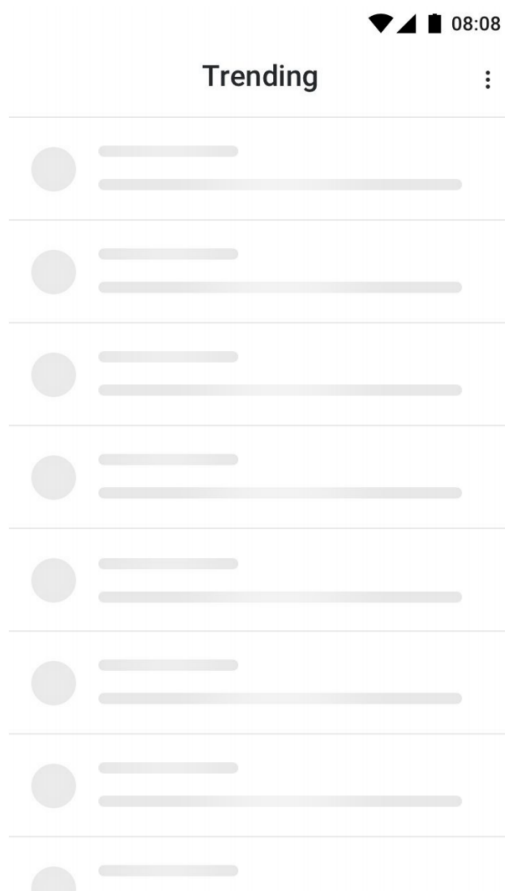
Design Details

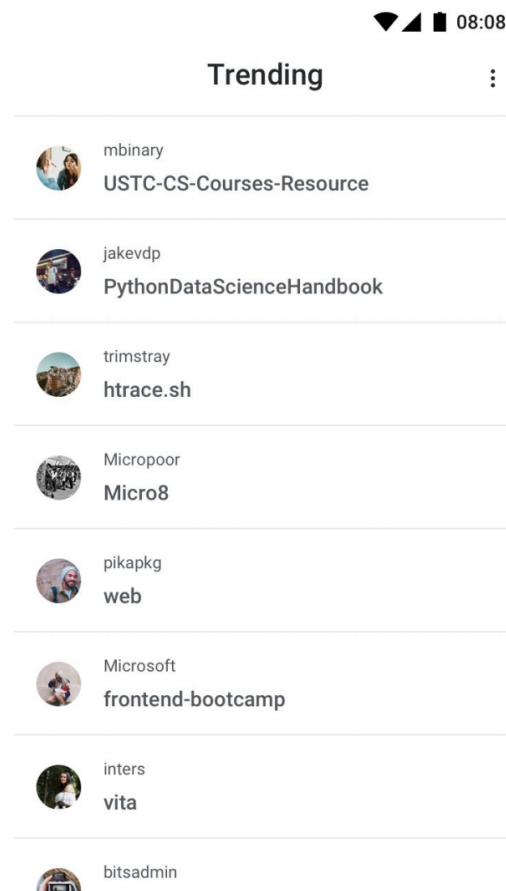### Assets

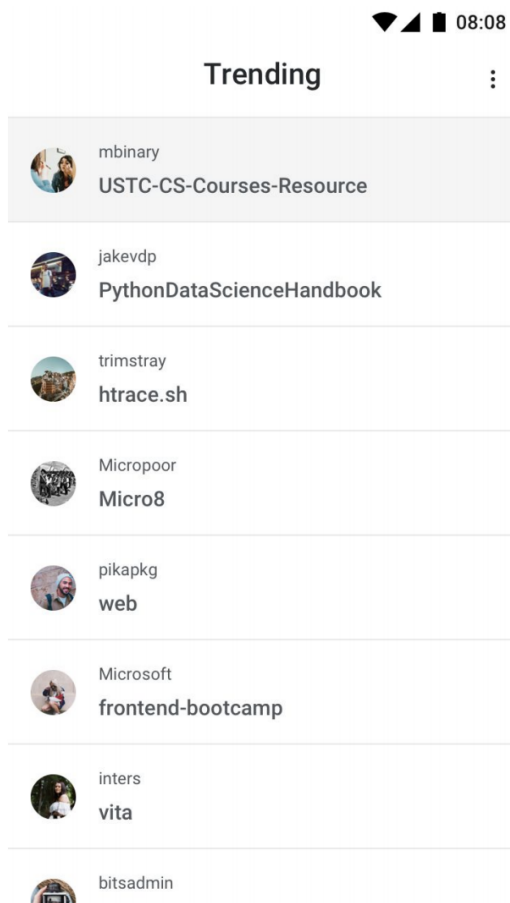You can download all the required assets from [here]().

Screens

Below are the designs of all the screens and components of the app. You can also download them from [here]() to view them in full-resolution with all the measurement and style information.
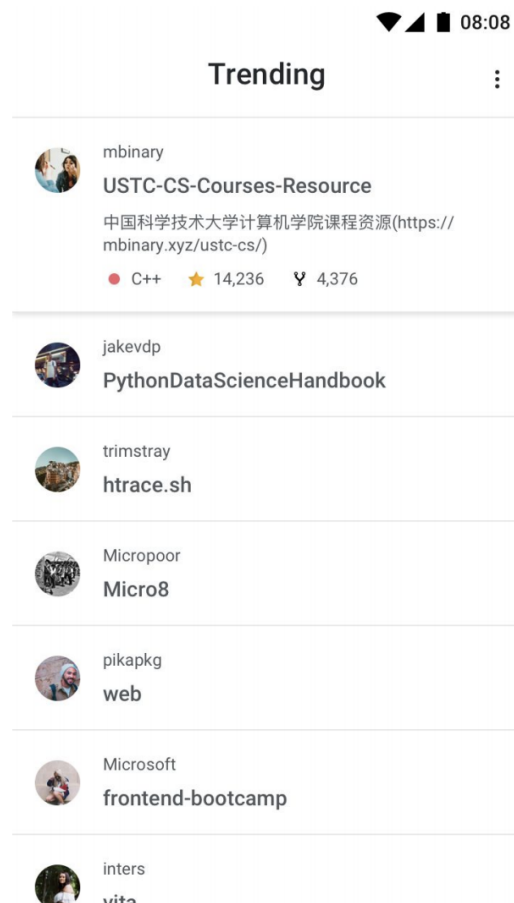

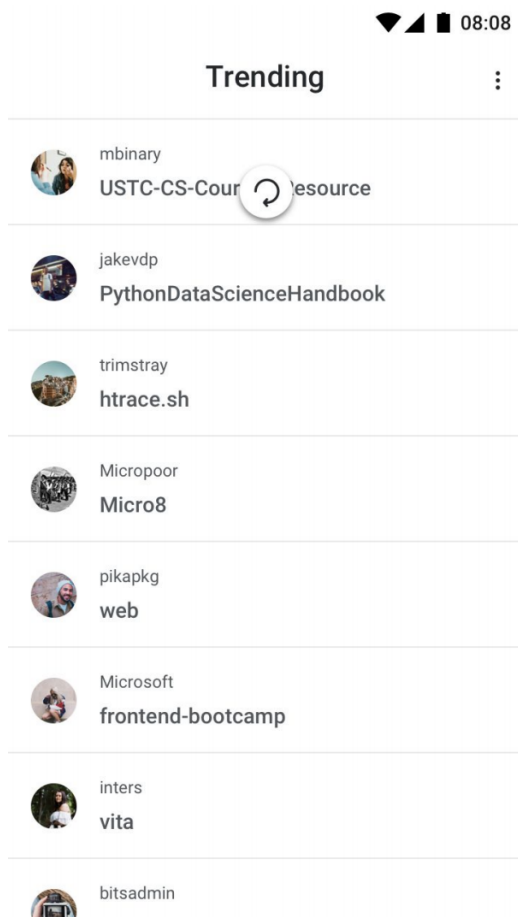(Fig 1. Loading state while repositories are being fetched)

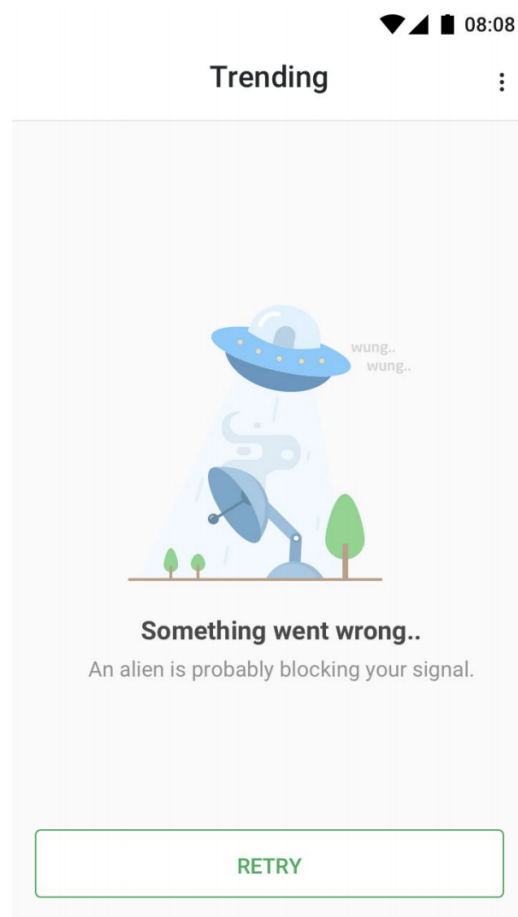(Fig 2. List of trending repositories)

(Fig 3. Touch feedback on items)

(Fig 4. Items can expand on being tapped)

(Fig 5. Pull-to-refresh to fetch fresh data)

(Fig 6. Error state with retry option)

Duration

We expect you to submit the assignment within 5 days of receiving it. Given the size of this project, this time should be enough for you to comfortably complete it.

Submission Guidelines

Once you have completed the assignment, please make a ZIP archive of it along with the .git folder and send it to the recruiter you are in touch with. **Please do not upload the solution to Github, Bitbucket, etc.**

If you have any doubts anywhere on the assignment, feel free to get in touch with our recruiter. All the best!