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## Ionic 4 Assignment

The potential candidate has 48 hours to get as far as they can with this assignment and share their documented progress on GitHub / BitBucket.

Please reply to this email with the repository link as soon as you create it. If the potential candidate has any questions, it is best practice to do a Google search before emailing to ask.

**Objective** - Create an Ionic 4 mobile application that implements the Redux pattern for managing application state by using the NgRX library. The mobile application will contain two tabs (feed and user/search) that will utilize the Github User API.

**Ionic** - <http://ionicframework.com/>

**Redux Pattern** - <http://redux.js.org/>

**Angular implementation** - <https://github.com/ngrx/platform>

**GitHub User API (public & free)** - <https://developer.github.com/v3/users/>

### Feed / List Tab

Create the appropriate NgRX state interface, actions, reducers, and effects for implementing the following:

1. Retrieve a list of users using the GitHub User API
  - a. Keep application performance in mind since GitHub has millions of users which can potentially get loaded on the screen!
2. For the list view on the same page implement the following:
  - a. For each user, display their avatar & their login name on the page.
  - b. Must implement infinite scrolling functionality to load more users onto the page.
  - c. If the user has more than 2 public\_repos then have the view indicate this by having their user information be red.
  - d. Implementation through an Angular Directive is desired.
  - e. Clicking a specific user should switch to the User / Search Tab (see bullet #1b down below)
  - f. User / Search Tab For the view on this page implement the following:
  - g. Create a search bar up top that can be used to find a user by their user login information.

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- i. If the switching to this tab was a result of clicking the bottom tab, then this search bar should be empty for the user to be able to type to search by name.
    - ii. If the switching to the tab was a result of clicking a user (from the Feed /List tab), then this search bar should be pre-populated with the login name.
  - h. It is up to the candidate to format this page, but it should show at a minimum:
    - i. User Avatar
    - ii. Full Name
    - iii. Bio
    - iv. Company
    - v. Location
    - vi. Website/Blog
  - i. If a user has a website and/or blog, then use either InAppBrowser, or SafariViewController Native Cordova Plugins to load the user's website.

Ionic is a hybrid framework, so you can build onto a device in an instant. If the potential candidate wants to run their applications onto a device they most certainly can, though it is not required for this exercise. Please complete all other aspects of this assignment and read thoroughly the Ionic documentation about running to a device before you decide to approach this step. Apple requires payment, account setup, and configuration with certificates for you to be able to build onto your iOS device. Android does not require as strict setup and payment when building to a device.