



Angular Coding Assignment

Problem Statement

Fetch Data and Display User Profile

Page 0: Login & SignUp Authentication OAuth-2 using Node API

Page 1: Display a search-box, button, List of users

Page 2: User Profile Page

Page 3: Followers count bar chart ("/followers")

This test has three levels

Level 0: Authentication

Login Page

Sign Up Page (Use Dummy credentials)

Level 1: (Page 1)

API = <https://api.github.com/search/users?q=eric>

This API takes a query parameter name "q" and passes query string to server. Server returns bunch of users. Now I want you to create a input text box and button so that you can type anything on the text box and hit on the button to retrieve data from the given API. Upon retrieval display total_count and first 10 users in the search result.

Level 2: (Page 2)

Convert each user profile as a router link so that upon clicking on each user profile you will navigate to a route that has "login" property in the route. Pass user.login as route parameter. Create a separate component where you will read the route parameter and then fetch data for that user by using this.

Display User's Repositories, Personal info, followers, following Count,

API = <https://api.github.com/users/eric> (Take care of client token)

Store this user's information in MongoDB 'Users' Collection.

Please Notice that last part of this api is the user.login (the route parameter that you have passed). Finally display user image and few other information in the component.

Level 3: (Page 3)

Route = "/followers"

Query backend API for 10 users, who have "highest followers" count.

Use D3 charting framework and create a simple bar chart to display number of followers.

On hover, Show tooltip with Name of User and Followers count.

Things to keep in Mind

Responsiveness, Authentication (OAuth 2)

Implement MEAN stack (MongoDB necessary). Use lazy loading, wherever required

Use ES6/ Arrow Functions, wherever possible

Write Test cases using Js libraries (Mocha, Chai)

Please make the assumptions according to your ease & mention them in the readme file. If in case of any queries, feel free to reach back to us.