Readme

Problem:

Create a service that allows for a user to search for a GitHub username. On a successful search return, display the user's GitHub handle, follower count, and a list of the user's followers (just the avatar is fine). Since some users (e.g. `gaearon`, `holman`, etc.) have many thousands of followers, GitHub only returns a portion of the followers with each request. Create a "load more" button that, when clicked, fetches the next payload of followers. This button should persist until there are no more pages of followers to fetch.

Solution:

To solve the above problem, I developed a simple single page web application. Initially, the web application contains a text field and a button: "Search !". The user has to enter the GitHub username and have to click the button. It enables GitHub service, which returns GitHub user date. From the obtained data, I extracted three fields: Name, Location, as well as Number of Followers and displayed it on the screen. In addition, the program will display an additional button: "Show Followers" also displayed on the screen. When the user clicked on "Show Followers," it enables a GitHub service to that brings "n" number of follower's data. From the obtained follower's data, I extracted the usernames and displayed them on the screen with an additional button "Show More" which when clicked will add next set of followers to the list of followers.

Note: In our application → n = 100 (We can change that on the code). Please have a look over Line: 68 of "Index.html" file.

Technical Choices:

HTML: It is used to create basic web application elements.
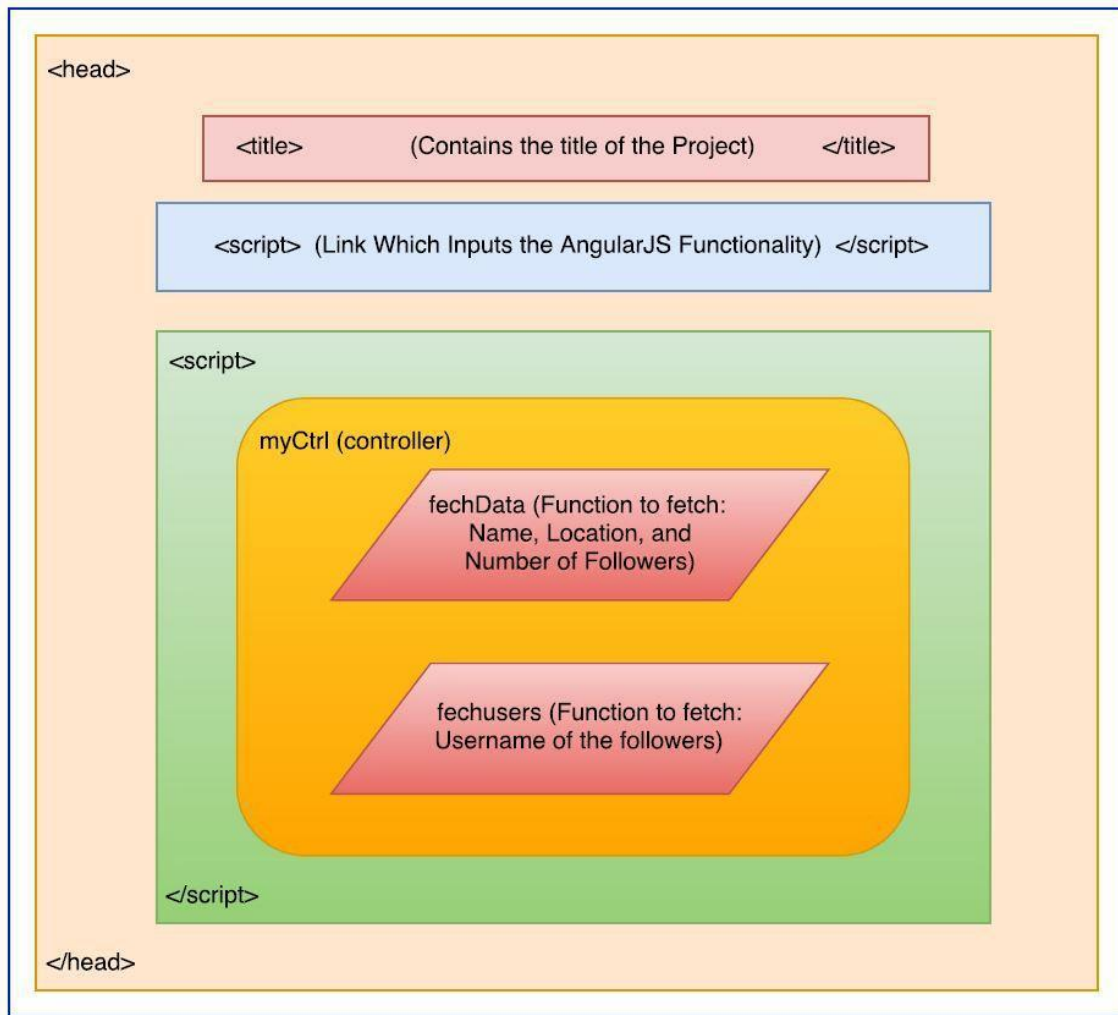
CSS: Used to add styling to the application.

JavaScript: To create dynamic effects and accomplish the logical functionality.

AngularJS: To reduce the number of lines of code and to focus more on the logical functionality of the application. Used the Directives like: ng-show, ng-click, ng-repeat, ng-if, ng-model, ng-controller.
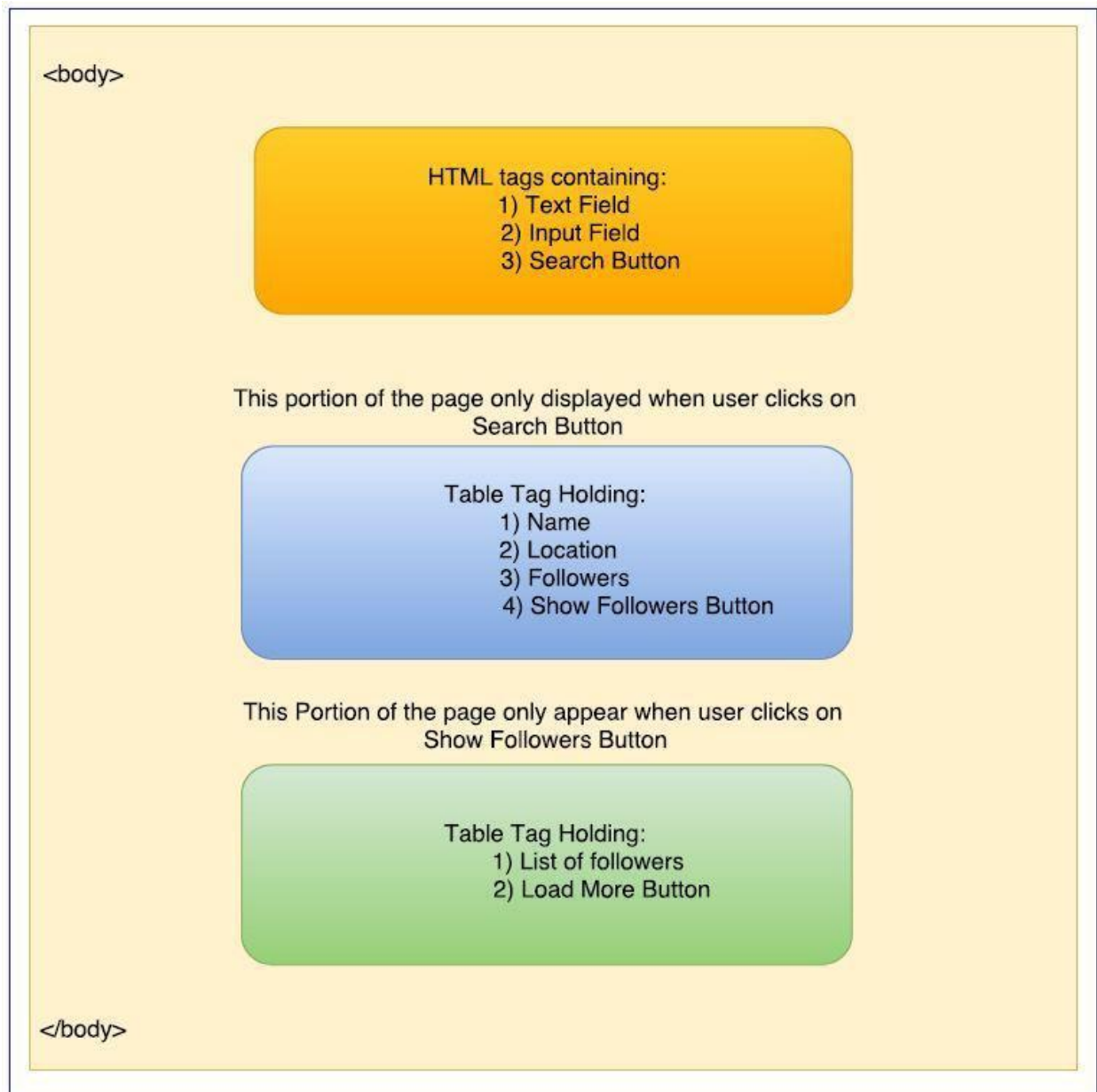
GitHub API's: To extract data from GitHub.

Architectural Trade-Offs:

The Head portion of the HTML contains the following structure:

Body portion of HTML contains the following:

<body>

HTML tags containing:
1) Text Field
2) Input Field
3) Search Button

This portion of the page only displayed when user clicks on
Search Button

Table Tag Holding:
1) Name
2) Location
3) Followers
4) Show Followers Button

This Portion of the page only appear when user clicks on
Show Followers Button

Table Tag Holding:
1) List of followers
2) Load More Button

</body>

Spend Additional Time on the Project:

If I has the more time to do the following things:

1) Design improvement of the application.

2) Adding more contents (Details: Name, Followers count, Image, etc.) in the followers

list.

Hosted Application Link:

www.Ramatechresources.com