

## Concept Part

1. Tell me what dependency injection is, how do you do dependency injection in Angular. In the process of implementing a service or other injectable classes, what do you normally put in "ProvideIn" property? Any other value you can use for it? Compare them. When you are using "ProvideIn: root", what is the relationship between it and the Singleton Service pattern?
2. What is the support behind the scene for syntax sugar in js? For example, before es6, function is used to create class, but later, we can use Class, constructor... these kinds of keywords.
3. Suppose now you get an API and you have a ticket that needs to use the API in the frontend logic to get some data in the backend. Can you tell me the whole process of doing this ticket?
4. Can you tell me what CI/CD will do for you in your previous project? For example, say you were using Jenkins, what kinds of stages does it have?
5. In the merge request from your feature branch into dev branch, if someone else merged into dev branch before you, then your branch is not in sync with dev branch anymore. In this case, we usually need to update the source branch(feature branch) from dev branch, why do we do this?
6. Compare with GraphQL with REST api
7. Why do people say Angular builds single page applications? Difference between single page and traditional web application?
8. Since Angular builds SPA, what kinds of tools/methods does it take to achieve that?(Answer the process in time order)
9. Tell me some regular work you will do usually in each sprint?
10. If you get a ticket which contains works that are completely new to you, what you will do?

## Coding Part - Github User Search

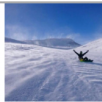
**Basic feature:** user search, follower search

**Sample screenshots:**





Username: mike  
Followers: 21



Username: gnzibg



Username: lucas



Username: sonicmax



Username: cusspvz



Username: SmallySamuel



Username: vvesperr



Username: ysei



Username: chidelmun

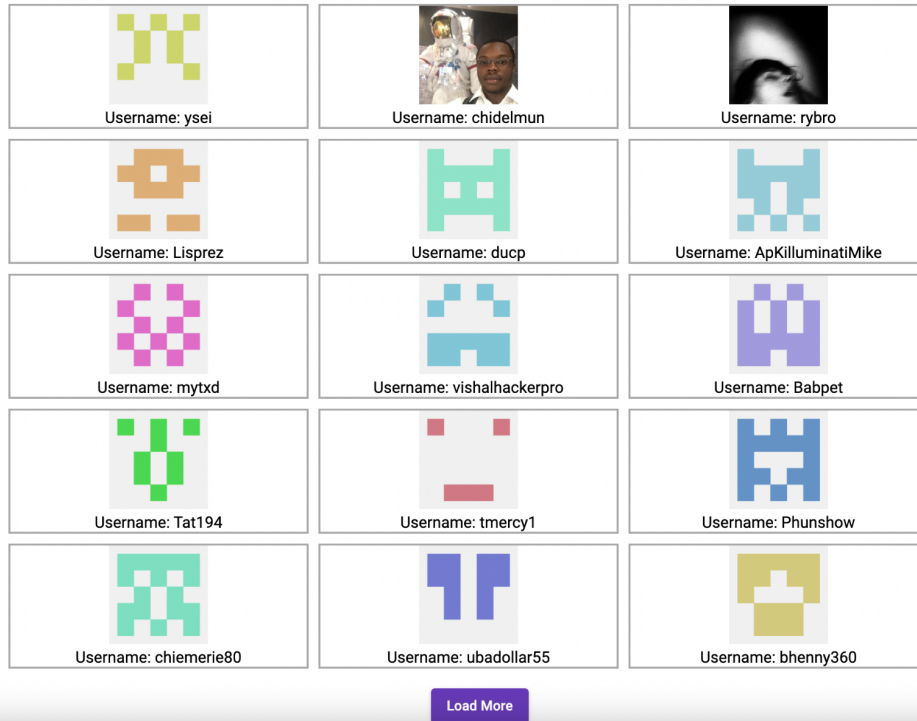


Username: rybro



Username: Lisprez

Load More



### Acceptance Criteria:

1. User and Followers are in two different pages.
2. Search results can dynamically change as value in the search field changes, both for user and follower pages.
3. Under follower page, when there are more than 10 followers, load more button will show more followers info
4. When there is no search results, show "User not found"
5. Follower search results are in a proper layout

### API reference:

<https://docs.github.com/en/rest/users/users#get-a-user>

<https://docs.github.com/en/rest/users/followers#list-followers-of-a-user>