**Questions & Assignments List**

authentication authorization

If a login username and password is validate, server return a JSON Web Token which contain a certain attribute about user. (like userEmail, userId), in browser we use local storage to store that, when we close the browser, next time , we open ,no need to input again.

Sending a request to get orders list, the header need to include token information, as a API parameter, when it is validate, return the order list, otherwise return unauthentication response, its status is 401

1 Injecting Tokens

1.1 What are injection tokens in Angular?

1.2 What is the use of, the “useClass” property?

1.3 Explain the difference between “provide” and “useClass” properties in the provider configuration.

1.4 What happens when you provide multiple providers with the same token using the “useClass” syntax?

2 Injecting String Tokens

2.1 How to define and inject the string token?

2.2 What is the use of @Inject decorator?

3 Injection Token Object

3.1 How do you define an Injection Token Object in Angular?

4 Providing Value With “useValue”

4.1 State the difference between the useClass and useValue properties.

4.2 Assignment - Provide A Constant Value As Dependency

5 Alias Provider - useExisting Property

5.1 What is the reason behind using the “useExisting” property?

6 Factory Provider useFactory Property

6.1 What is useFactory property and how to define it?

6.2 Provide a reason - why does the useFactory expect a function?

7 Providing Dependencies Using “deps” Property With useFactory

7.1 Explain the purpose of deps property

7.2 Can the deps property be omitted if there are no dependencies to inject or is deps optional?

8 useFactory Vs. useValue