FrontEnd Development Test

SUBMITTED BY

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CHAPTER 01 – PART: 2

1.1 What are the key components of Angular?

- Modules
- Templates
- Services
- Metadata

1.2 What are directives?

- Component Directive
- Structural Directive
- Attribute directive

1.3 What are the Components?

- Header
- footer

1.4 What are the differences between Component and Directive?

Components	Directives
The Component is always an element ('E'). Templates are the mandatory property and always required in Component.	The directive can be an attribute, element name, comment, or CSS class ('E', 'A', 'C', 'M'). The directive doesn't always require templates.
The Component is used to break up the application into smaller components. That is why components are widely used in later versions of Angular to make things easy and build a total component-based model.	The Directive is used to design reusable components, which are more behaviour-oriented.
As the Component has views, view Encapsulation can be defined.	The Directive doesn't have views. So you can't use view Encapsulation in the directive.

Although the Components make it easier to write simple, effective code, it has a simpler configuration than plain directives, it is optimized for component-based architecture. A Component does not support "compile" and "pre-link" functions.	The directives can be utilized for manipulating DOM objects.
Components should never modify any data or DOM that is out of their own scope.	Directives have isolated scopes, by default the child inherits the scope from its parent.
Only one component can be present per DOM element.	There can be more than one directive in a DOM element,
To register components, we use @Component meta-data annotation.	For directive, we use @Directive meta-data annotation.

1.5 What is a module?

The module is a container for the different parts of an application. The module is a container for the application controllers.

1.6 What is a data binding?

Data binding is the process that couples two data sources together and synchronizes them.

1.7 What is a service?

Service is a piece of reusable code with a focused purpose. A code that you will use across multiple components in your application.

1.8 What are custom elements?

Angular Custom Elements are a recent addition to the Angular framework that allows you to create exportable components

1.9 What is Style function?

The style () function is used to set the style property of an element with the given value.

1.10　How do you pass headers for HTTP clients?

To set custom headers ON A REQUEST, build a request with the custom header before passing it to the HTTP client to send to the HTTP server