ADVANCED WEB APPLICATION DEVELOPMENT
WEEK 15 ASSIGNMENT

1. Explain any five UI framework

1. Angular Material
Angular Material is the most commonly used UI framework with Angular projects. It is an official component library developed by Google.
Features:
- Reusable components — forms. cards and more
- Style guides — branding standards, color palettes, CSS variables, and themes support
- The large set of Material Design icons
- Component Dev Kit (CDK) for common interaction
- Data table, Navigation Menu, Side Navigation, and ToolBar
- Custom components

2. ngx-bootstrap
ngx-bootstrap is based on veteran CSS framework leader bootstrap. I believe bootstrap was one of the most popular framework across web and UI developers. If you are looking for bootstrap support for your project, You get 2 frameworks based on bootstrap. The first one is Valor-Software's framework 'ngx-bootstrap' and another is ng-bootstrap. For the second, I will brief in the next paragraph. ngx-bootstrap is based on Bootstrap 3 or Bootstrap 4 Components. It supports all core bootstrap components and widgets of bootstrap and keeps extensibility and adaptivity in designs

3. NG bootstrap
NG-bootstrap is another bootstrap based UI framework that offers Bootstrap 4 components for Angular. One advantage of NG bootstrap is there are no dependencies required of 3rd party JavaScript. Most of its features are the same as those of ngx-bootstrap, but with the different project teams As it is developed by ng-bootstrap team.

4. Prime NG
This component suite is a comprehensive set of more than 80 UI components. Prime NG is a commonly used UI framework developed by PrimeTek Informatics. PrimeFaces UI suite that appertains without any doubts about the set of the most progressive systems for Java. PrimeNG is a collection of rich UI components for Angular. All widgets are open source and free to use under MIT License.
Features:
- 80+ Components: The most complete set of native widgets featuring 80+ easy to use components for all your UI requirements.
- Open Source: Hosted at GitHub, all widgets are open source and free to use under MIT license. Feel the power of open source.
- Productivity: Allocate your valuable time on business logic rather than dealing with the complex user interface requirements.
- Themes: Don't get tied up in just one look&feel. Choose from a variety of options including material and flat design.

5. Covalent UI
Covalent is a UI Platform focused on solving common enterprise needs. Covalent follows the Material Design spec and works along Angular Material to have a unified experience. It is developed by Data management company Teradata. Covalent UI has an enormous set of

elements and probably the most mature document support compared
with the others

2. DISCUSS CLICK EVENT IN ANGULAR WITH EXAMPLE

To bind to an event you use the Angular event binding syntax. This syntax consists of a target event name within parentheses to the left of an equal sign, and a quoted template statement to the right.

Create the following example; the target event name is click and the template statement is onSave().
Event binding syntax
<button (click)="onSave()">Save</button>
<h4>myClick is an event on the custom ClickDirective:</h4>
<button type="button" (myClick)="clickMessage=$event" clickable>click with myClick</button>
{{clickMessage}}