# 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

# 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

# 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.

# 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.

# 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}}