Angular 6 Notes

https://www.youtube.com/watch?v=Cuyf1k4bIzc&list=PL6n9fhu94yhWNJaDgh0mfae\_9xoQ4E\_Zj&index=1

**Angular 6 Cover Topics**

* >ReActive form controller
* >Angular nested form group
* >SetValue And PatchValue value method
* >Angular Form Builder (Angular formbuilder example)
* >Implementing Validation in form builder form
* >Angular form control value changes
* >Loop through all form controls in formgroup in :reactive form
* >Move validation messages to the component class in reactive form
* >RxJS operators in angular services
* >launch new json server for data : json-server --watch db.json

**Send emails using Node.js, Nodemailer and Angular**  https://www.youtube.com/watch?v=p4bnK0qy89w&t=167s

node -v

npm -v

**Install Angular CLI and Create Angular 6 Web Application**

To install or upgrade the latest Angular 6 CLI, type this command in the terminal or Node command line.

sudo npm install -g @angular/cli

**Note:** If you use windows, it might be not necessary to add `sudo`.

**Next, create a new Angular 6 Web Application using this Angular CLI command.**

ng new angular6-start

**Next, go to the newly created Angular 6 project folder.**

cd ./angular6-start

**Now, you run the new Angular 6 web application using your own host and port.**

ng serve --host 0.0.0.0 --port 3000

or ng serve --open

or ng s -o

**(PWA): Progressive Web Apps**

The feature that comes with the new Angular 6 CLI is `ng add`.

**First, we have to try to convert or turn the regular Angular 6 application to the Progressive Web Apps (PWA):**

ng add @angular/pwa

**We can now update to the required version above simply by using this command.:**  ng update @angular/core

**Back to the PWA, we have to run the Angular 6 PWA application. First, build the Angular 6 PWA by type this command.**

ng build --prod

**Next, install `http-server` using NPM command.:**

sudo npm i -g http-server

**Next, go to the built Angular 6 PWA application.**

cd dist/angular6-start/

**Now, we can run the Angular 6 PWA using HTTP-server.**

http-server -p 8000

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**Generate Angular 6 Material Components**

Another new feature in Angular 6 is Angular Component that focused material to an existing Angular application. Type this Angular 6 CLI command to add it.

There will be available Angular Starter Material Component. Let's try the starter component for Navigation pane. You may generate the Navigation Component using this command.

ng generate @angular/material:material-nav

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**Configure BootStrap for angular 6 application**

npm install bootstrap3 jquery --save

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**NOw AngularCLI configuration -angular.json file**

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**Create module for routing**

ng g c employee/list-employee --spec=false --flat=true

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**Angular 6 Routing Component**

**Q. Why a seperate routing module?**

* maintainibility
* Seperation of concern

**Routing module**

app-module --flat=true --module=app

ng g m tpr --routing

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Note: FormControl and FormGroup are inherit from AbstractControl base class

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NOdeMailer:

dotenv for hidden password

for install

ionic cordova platform add android

npm i -g cordova-res

ionic cordova resources android --force