**Node js**

<https://nodejs.org/en/>

Skinuti I instalirati

**ANGULAR**

U Command Prompt ( CMD ) vratimo se sa cd.. na pocetak na C:\> i proverimo verzije:

node -v ( Verzija Node.js ) 12.18.3

npm -v ( Verzija npm ) 6.14.6

ng --version ( Verzija Angulara ) 17.3.3

Komande za instaliranje i pokretanje su na: https://cli.angular.io/

Za instaliranje Angulara u CMD na C:> su:

npm install -g @angular/cli

Napraviti folder “Frontend“

Iz Visual Studio Code otvoriti folder “Frontend”

Otvoriti “Terminal“

Prvo kreiramo folder “my-app“: ng new my-app --no-standalone

Uđemo u taj folder “my-app“: cd my-app

Za pokretanje servera: npm run ng serve ili ng serve --open

<http://localhost:4200/>

Za zaustavljanje servera: Ctrl + C

Instaliranje Bootstrap u folderu “ my- app“ : npm install bootstrap --save

Tri načina za dodavanje Bootstrapa u angularu:

1)

U fajlu “angular.json“ :

"styles": [

"./node\_modules/bootstrap/dist/css/bootstrap.css",

"src/styles.css"

],

2)

U fajlu “# styles.css”:

@import "~bootstrap/dist/css/bootstrap.min.css"

3)

U Index.html u head dodamo sledeće linkove:

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-1BmE4kWBq78iYhFldvKuhfTAU6auU8tT94WrHftjDbrCEXSU1oBoqyl2QvZ6jIW3" crossorigin="anonymous">

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js" integrity="sha384-ka7Sk0Gln4gmtz2MlQnikT1wXgYsOg+OMhuP+IlRH9sENBO0LRn5q+8nbTov4+1p" crossorigin="anonymous"></script>

<link rel="stylesheet" href="./assets/fontawesome-free-5.15.4-web/css/all.css">

Kreiranje klasa u angularu:

U folderu “ my- app“ : npm run ng g class employee

Kreiranje komponenti ( employee-list , update-employee , create-employee)

U folderu “ my- app“ : npm run ng g c employee-list

Kreiranje servisa u angularu:

U folderu “ my- app“ : npm run ng g s employee

Instaliranje Validacije: npm install angular-validation

Instaliranje Forms u angularu: npm install @angular/forms –save

npm install angular-form-validator

**Deinstalacija u folderu “my- app“:** npm uninstall my-app

**Deinstalacija kompletne instalacije Angulara sa C:>:** npm uninstall -g @angular/cli

npm cache clean --force

**Za vracanje na stariju verziju Angular 12.1.0**

*Verzija za Node 12.18.3 :* npm install -g @angular/cli@12.1.0

**Za pokretanje preko Spring Boot na 8080**

U “angular.json“ izmenimo “otputPath“:

"outputPath": "./static",

U folferu “my-app“ u terminalu pokrenemo komandu:

ng build

Formirace se folder “static“ i sve iz foldera “browser“ koji se napravi kopiramo u okviru src/main/resources u folder static

Obrisati node\_modules:

Desni klik na “my-app“ 🡪 Properties 🡪 Resourse 🡪 Resourse Filter 🡪 Add Filter

Exclude all, Files and folders, All children(recursive) , Upisemo: node\_modules