



Angular 6



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Day 2

Objective

- Integrating Bootstrap in our application(css part)
- Creating components
- Creating templates
- Styling per components
- Routing
- Data binding
- Event binding with component
- *ngFor, *ngIf

Integrating Bootstrap in our application

- Open style.css file and paste the following piece of code
`@import url ('bootstrap-css-url.css')`
- Or open index.html and add link to bootstrap cdn file to that page using link tag

Create simple login / register page

- Codelab, create 2 simple page using bootstrap, one for login and one for registration.
- For login you need `username, password and button` and for register, you need *`username, password and button`*

Break the application into components

Creating components

- Creating a new component is very easy in angular 6
ng generate component name
- Create 3 new components in this process
 - Login
 - Register
 - Navbar
- Integrate them in our application

Creating template

- Write the respective code in the respective file, like login code will go inside login component and so on and so forth.

Styling per components

- Style your components as per your requirement

Routing

- create a module for angular routing by typing this command
`ng generate module app-routing --flat --module=app`
`--flat` means don't create new folder
`--module` tells the CLI to register it in the imports array of the AppModule.
- Import the components which are part of our routing. Like login and register
- Import router and add the following code

```
import { Routes, RouterModule } from '@angular/router';
```

Add this code

- ```
@NgModule({
```
- ```
  imports: [RouterModule.forRoot(routes)],
```
- ```
 exports: [RouterModule]
```
- ```
})
```

Routing

Create one const named routes with type Route

```
const routes: Routes = [
```

```
{
```

```
  path: 'path-of-route',
```

```
  component: ComponentName,
```

```
}
```

```
];
```

Routing

- Check if everything is working fine.
- Copy `<router-outlet></router-outlet>` in `app.component.html` file in desired location
- In navbar, add attribute as `routerLink="path"`
- Verify if everything is working!

Data Binding

Add following lines in app.module.ts

```
import { FormsModule } from '@angular/forms';
```

And

```
imports: [
```

```
  BrowserModule,
```

```
  AppRoutingModule,
```

```
  FormsModule
```

```
],
```

Event Binding

add `(click)="loginUser()"` attribute in your button and create a `function loginUser()` in the ts file

*ngIf

Works just like if in any other language

```
<p *ngIf="showMessage">Hidden Message</p>
```

Add this variable in component.ts file `showMessage: boolean = false;`

*ngFor

Works just like foreach loop of java

```
<p *ngFor="let staff of myStaff">{{ staff }}</p>
```

Add this variable in component.ts file `myStaff:Object = ['Iron Man','Vision','Hulk','Thor','Black Widow','Captain America'];`