Angular:

Introduction of the Angular/History of Angular

Why Angular:

Features of Angular

Angular Architecture

Advantages of Angular

Limitations

Angular learning curve

Various companies that are angular

Components :

Services

Binding

Forms

Bootstrap

Routing

Route guards

Wild card routes

Directives:

Introduction of the Angular/History of Angular

Single page application: JS and TS: Front end framework: 46: FEF:

What is Angular?

1. AngularJS: was open source JS framework: JS
2. It is completely written in TS:
3. Primary aim is only to develop SPA
4. It uses HTML syntax to express your Application clearly:
5. It is maintained by Google:

Features of Angular:

1. DOM:
2. TYPESCRIPT:
3. Data Binding: user name: PW: login.html template: -> validated: TS(component)-processing : validate : TS send some response to the user:
4. Testing:

**History of Angular**:

1. AngularJS: 1.0/1.x: Oct 2010: completely written in JS: TS
2. Angular 2.0: 14th Sept 2016: TS: ES-6: TS, DART, ES-6 JavaScript:
3. Angular 3.0: created but never published or never released : versioning: @angular /core, @angular/compiler, router libraries:
4. 4.0: March 2017: Fastest compilation
   1. Better bug fixing
   2. TS 2.1 and 2.2:
   3. Else block for \*ngIf: (Structural directive In Angular)
5. 5.0: Nov 2017:
6. 6.0: May 2018: ng update and ng add:
7. Angular team decided to do one thing: after each and every 6 month: they are releasing the new version of Angular:

Angular Architecture:

Full-fledged MVC architecture:

Model: All the data related logic

View: UI logic

Controller: Brain of your application: interface between Model and view:

TV set : watch Set up: TataSky, Airtel:

TV set: view:

Dish / Setup box: What to show and what to not: 300 channel : Control : DB

Satellite: Model: fetch UN and PW: DB: try match : response to Controller: use:

Advantages of Angular

1. Modularity
2. Testability
3. SIP: **Lazy Loading:**

Limitations

Angular’s learning curve:

Migration:

Angular: project: 14: migration Underflow:

Angular fw is much complex as :

Various companies that are angular

Google: NIKE, HBO, Sony, UpWork, Forbes::: General Motors:

Components based things:

Common features of Component:

1. They are building block of angular application
2. We have a root component: app.component.ts
   1. I can have any no of components in my App.
   2. 1000 of components but only one root component is there: per component only one html file can be there
3. Component is nothing but a TS class: Decorator: @Component decoroators:

Angular Application: you need installation on system: TSC :

Angular:

Injector service in Angular: