Angular 2 Introduction

Getting Started

Development Environment : Introduction for angular-cli. Installation through the command prompt

Angular 2 Architecture & Concepts

**Note : Angular 2 is a component based architecture. We do have the nested component here.**

Component & Modules

Components Overview

Angular Modules

Basic Components

Application Bootstrapping

Component LifeCycle

**Data binding in angular 2 : Angular 2 by default is one way data binding. But we can have two way data binding through (property binding + event binding)**

Data Binding

One-Way Data Binding

Interpolation

Property Binding

Event Binding

Special Bindings

Two-way Data binding

**Model in angular 2 :**

ngModel : To bind the template with component class data members.

Modules & Component Composition

Component Input Properties

**Event emitter in angular2 :**

Event Emitters

Component Output Properties

Custom Events

**Dependency injection in angular 2 : Angular 2 supports dependency injection through constructor :**

Services & Dependency Injection

Dependency Injection in Angular 2

The injectable Decorator

Services & Providers

HTTP

Making Http Requests

Handling Http Responses

**Angular 2 forms :**

Form basic’s

Template based form validation

Reactive based form validation

**Observables in angular 2 : Observables are used to manage asynchronous behaviour of javascript in angular2.**

RxJS & Observables Overview

Promises in angular 2 : How we can create our own promises in angular 2 and also handle the same

**Error Handling in Angular 2**

Error Handling

**Routing in angular 2 :**

Angular Routing

Routing Configuration

Router Directive

**Pipes in angular 2 : Just like filters in angular 1 we do have pipes in angular 2**

Using readymade pipes in angular 2

Creating our own custom pipes in angular 2

**Directives in angular 2 :**

**Lifecycle hook in angular 2 : Angular 2 component class do have it’s own life cycle and it has a set of methods there.**

**Advanced configuration in angular 2 :**

tsconfig.json

package.json

systemjs.config.json

**Nested containers in angular 2**

**Mobility : Ionic frame work**

**Creation of complete mobile app in (angular 2 + Ionic)**