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Career

COURSE CONTENT for ANGULARJS2

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Introduction

- Pre Request for angular 2
- What is Angularjs?
- Architecture of Angular 2 App
- Different between Angular 1 and Angular 2.
- Typescript Compilation
- Setting up the Development Environment
- Hello World Program!

ES6 Concepts

- let, const and Block Scoping
- Arrow Functions => Default
- Function Parameters Rest and Spread
- Object Literal Extensions for ... of Loops Destructuring
- Classes

Typescript Concepts

- What is TypeScript?
- Installing TypeScript
- Creating a TypeScript project
- Reviewing ES6 language features
- Specifying JavaScript types
- Defining custom and anonymous types
- Defining and implementing TypeScript classes
- Working with generics
- Organising code with namespaces
- Switching modules
- Importing modules
- Debugging TypeScript
- Implementing decorators

- Components, Bootstrap, and the DOM
- Directives and pipes
- Data binding
- Dependency injection
- Services and other business logic
- Data persistence
- Routing

Components

- Module and the root module
- Component metadata
- Bootstrapping the module for the browser
- The component selector
- The component template
- Styling a component
- Using other components in a component
- Interpolation and the expression context
- Property binding
- Event binding
- Getting data to the component with Input
- Subscribing to component events with Output

Directives and Pipes

- Structural directives: ngIf
- Structural directives: ngFor
- Attribute directives: built in
- Attribute directives: custom Using directive values
- Working with events in directives
- Angular pipes: built in
- Angular pipes: custom

Forms

- Angular forms
- Template-driven forms
- Model-driven forms
- Validation: built in
- Validation: custom
- Error handling

Dependency Injection and Services

Softtutors
<http://softtutors.com>

- How Angular does dependency injection
- Services in Angular
- Class constructor injection
- Building and providing a service
- Using the service in components
- The Inject decorator
- The Opaque Token

HTTP

- The Angular 2 HTTP bundle
- Using a mock back end for HTTP calls
- Using HTTP for GET calls
- Using URLSearchParams
- Using HTTP for POST, PUT, and DELETE calls

Routing

- Setting the base href and configuring routes
- Registering routing in the app module
- Router outlets
- Router links
- Working with route parameters
- Using the Router class to navigate
- Conclusion

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