ZENWAYS.IO

ANGULAR 6

COURSE
CURRICULUM

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HTML

Learning Objective:

Learn basic view constructs that are required to design a web page. All the websites or web apps or web applications use HTML to display different components on a web page.

Topics:

- Basic HTML Elements
- Tables
- Content tags (div, p, h1…)
- Form
- Input types
- HTML 5 elements
- HTML Validations and patterns

CSS

Learning Objective:

Once we have included HTML components on a web page, we need to give them design, color, background and other aesthetics, so that the web page is attractive and up to date for user's view. This can be achieved with types and properties provided by CSS.

Topics:

- Introduction
- Types
- Selectors
- Text styles
- Table styles
- Form styles
- Color
- Content
- Layout
- Lists
- Box Model
- Bootstrap
- MDL

GIT

Learning Objective:

Git is a version management tool which use to collaborate source code of different developers working on the same project.

Topics:

- Introduction
- Project management
- GIT commands

JavaScript

Learning Objective:

JavaScript is the only programming language which is accessible by most of the web browsers. This allows web pages to dynamically change content on run time.

Topics:

- Grammar and types
- Control Flow
- Loops and iteration
- Function
- Object
- Array
- Classes
- Inheritance
- RegEx
- Strings
- Numbers and dates
- Difference between ES5 and ES6

TypeScript

Learning Objective:

TypeScript is another programming language which is used in developing webapps these days. Although TypeScript is not accessible on web browser we convert TypeScript code to JavaScript code before we publish it to webapp. TypeScript provide most of the object oriented programming features, which are restricted in JavaScript

Topics:

- Variables
- Tuples
- Unions
- Interfaces
- Classes
- Objects
- Namespaces
- Modules
- Ambients

RxJS

Learning Objective:

Reactive Extensions Library is a JavaScript library which is used to handle asynchronous events. Angular uses this library for all data and event bindings.

Topics:

- Introduction
- Platform setup
- Observables and Observers

JSON

Learning Objective:

JavaScript Object Notation is a serializable way of representing large data objects which can be transferred using network channels on a varied number of platforms. JSON data is used to transfer data from front-end to backend and vice-versa in REST API's

Topics:

- Introduction
- Basic operations
- Manipulating JSON
- REST APIs

Angular

Learning Objective:

Angular is a framework in TypeScript (TS) to provide reusable codes to build interactive and responsive web apps. Angular also provides two way data binding which allows user to dynamically interact between data and the view part.

Topics:

- Introduction
- Overview
- Angular Module
- Bootstrapping
- Components
- Data Binding
- Routing
- Form handling
- Directives
- Pipes
- Services
- Project Structure

LEARNERS SPEAK

Aaditya Chakravarty

" The MEAN Stack training provided at Zenways IO is highly informative and ludicrously easy to understand ,
I can develop efficient web apps thanks to the the plethora of industrial practices
suggested by the awesome faculty of Zenways.
Their industrial experience helped a lot to let me know about how to make proactive apps. "

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