

Angular 5 Syllabus

Nagarjun Sanji

Table of Contents

1. HTML-5 - Hypertext Markup Language

- a. Semantic Elements
- b. Elements
- c. Attributes
- d. Iframe
- e. Forms
- f. Web Storage
- g. Assignment

2. CSS-3 - Cascading Style Sheets

- a. 2D Transform
- b. 3D Transform
- c. Web Fonts
- d. Transitions
- e. Shadows
- f. Animation
- g. Keyframes
- h. Sudo class
- i. Sudo elements
- j. Nth child
- k. Box sizing
- l. Media Queries
- m. Display properties
- n. positions
- o. Tooltips
- p. Effects

3. SCSS - Syntactically Awesome Style Sheets

- a. Preprocessing
- b. Variables
- c. Nesting
- d. Partial
- e. Import
- f. Mixins
- g. Inheritance
- h. Operators
- i. Assignment

4. Javascript

- a. Statements
- b. Comments
- c. Variables
- d. Data Types
- e. Function
- f. Location
- g. History
- h. Closures
- i. Prototypes
- j. Design Patterns
 - i. Singleton pattern
 - ii. Prototype pattern
 - iii. Modular pattern
- k. JSON
 - i. Objects
 - ii. Data Types

- iii. Arrays
- iv. Parse
- v. Stringify
- l. AJAX
 - i. XMLHttpRequest
 - ii. Request
 - iii. Response
- m. Assignment

5. NodeJs

- a. npm - node package manager
- b. Assignment

6. Angular CLI - Angular command line interface

- a. Installation
- b. Usage
- c. Generating new project
- d. Generating Components, Directives, Pipes and Services
- e. Updating Angular CLI
- f. Angular CLI Config Schema
- g. Namespace
- h. Bundling
- i. Lazy Loading
- j. Jasmine and Karma Configuration
- k. Assignment to create Angular CLI application

7. Angular 5

- a. Introduction to angular application
- b. Introduction on TypeScript
- c. The Application Shell
- d. Architecture
- e. Template and Data Binding
- f. Forms
- g. Form Validations
- h. Reactive forms
- i. Dynamic forms
- j. Components
- k. Directives
- l. Services
- m. Pipe
- n. Modals
- o. Reusable Components
- p. Bootstrapping
- q. NgModules
- r. AOT – Ahead of time Compilation
- s. JIT – Just in Time Compilation
- t. Hashing
- u. HttpClient
 - i. Interceptor
 - ii. GET, POST, DELETE, PUT
- v. Routing & Navigation
- w. Testing
- x. Upgrading angular version
- y. Assignment to learn and create new Angular application