

Angular Boot Camp



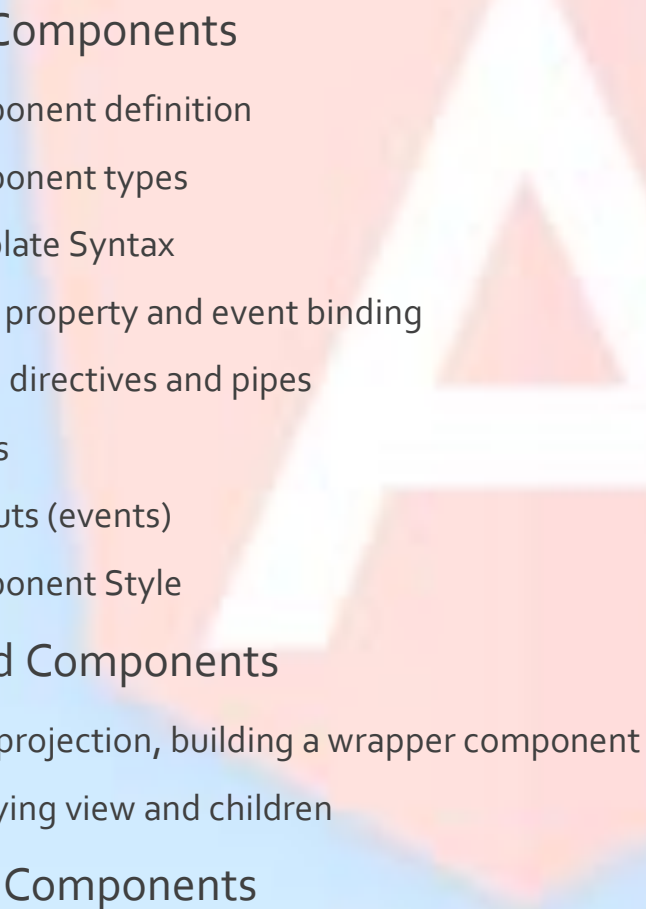
Angular Boot Camp

This Course is designed to get you job ready within a week and grasp all the important concepts of the Angular Language.

JAI

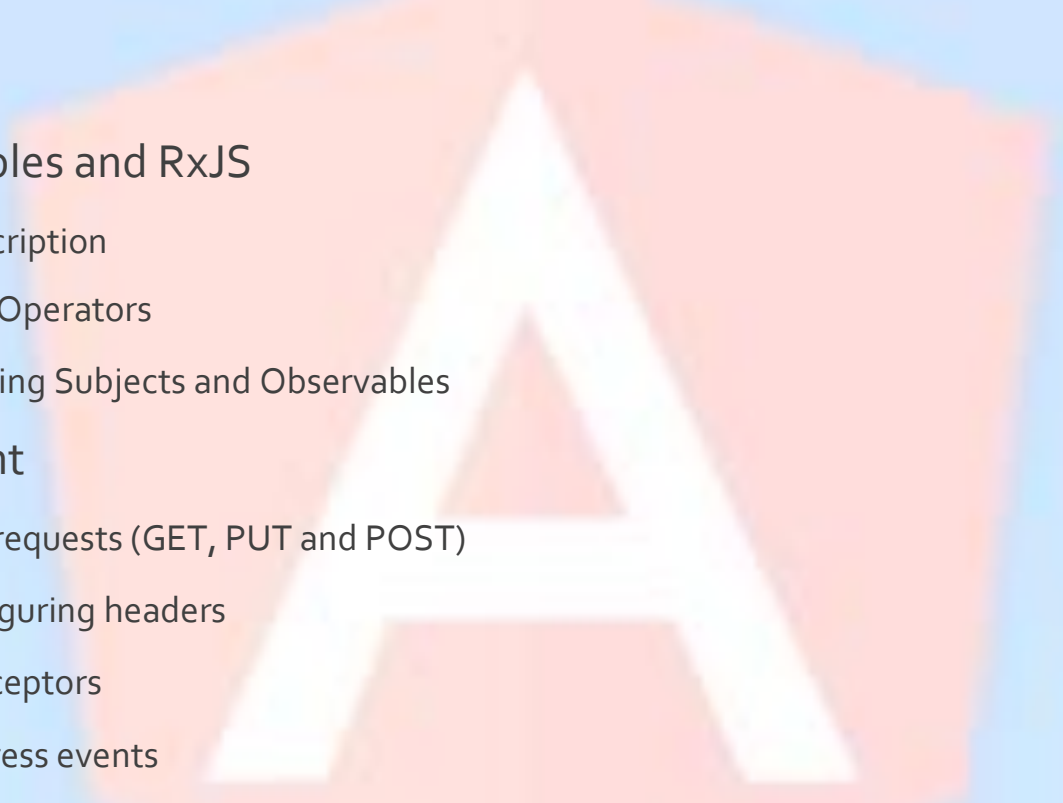
Day 1 – ES6, Typescript, Angular CLI and Angular Components

- ES6
 - Module System
 - Classes
 - Variable Declaration
 - Arrow Functions
 - Template Strings
- TypeScript
 - Type Safety, inference and intellisense
 - Interfaces
 - Decorators
- Angular-CLI & project structure
 - Creating a new project
 - Project settings, bootstrapping
 - Building and serving
 - Component-based architecture
 - Angular building blocks overview
 - Generating project elements
 - Root Angular Module

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- The Angular logo, a large white 'A' inside a red hexagon, is positioned in the background of the first list.
- Angular Components
 - Component definition
 - Component types
 - Template Syntax
 - Data, property and event binding
 - Using directives and pipes
 - Inputs
 - Outputs (events)
 - Component Style
 - Advanced Components
 - Data projection, building a wrapper component
 - Querying view and children
 - Dynamic Components

Day 2 – Providers, Dependency Injection, Observables

- Providers and Dependency Injection
 - Understanding the role of the Provider
 - Understanding the injector tree
 - Creating and using a class provider (Service)
 - Configuring providers

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- The Angular logo, a large white 'A' inside a red pentagon, is positioned in the background of the top section.
- Observables and RxJS
 - Subscription
 - RxJS Operators
 - Creating Subjects and Observables
 - HttpClient
 - Http requests (GET, PUT and POST)
 - Configuring headers
 - Interceptors
 - Progress events

Day 3 – Angular Router

- Setting up the router
- Navigation
- Child Routes
- Routing params
- Lazy loading
- Guards and hooks

Day 4 – Angular Modules, directives and Pipes

- Angular Modules
 - Root Module vs Feature Module
 - Module definition
 - Module configuration
- Directives
 - Types of directives
 - Built-in directives
 - Writing your own directives
- Pipes
 - Sync and async Pipes
 - Built-in Pipes
 - Writing your own pipes

Day 5 – Angular Forms

- Template Driven forms
- Reactive Forms
- FormBuilder
- Form Validation

- Custom Validators
- Async validators

Day 6 – State Management with ngRx

- Understanding Redux architecture
- ngRx Store
- Actions & Reducers
- Middleware
- Effects and Facades
- Action Splitters

Day 7 – Unit testing in Angular

- Understanding concept of developer driven testing in front-end
- Unit testing via Karma and Jasmine
- Functional testing via Protractor
- Middleware
- Creating hooks to run unit test while deploying application