

ActiveNET

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MEAN Stack

MongoDB, Express.JS, Angular, Node.js

JavaScript

- Importance of JavaScript, Difference between Object Oriented and Object Based Programming Languages.
- Creation of JavaScript Code
- Variable Declarations, Conditions, Loops, Data type Conversions, Operators, Writing and Accessing Functions.
- JavaScript supporting Events, JavaScript Objects
window, window.document, String, Date, Math, Number, Array, Boolean, RegExp, XMLHttpRequest and ActiveXObject.
- How to access HTML elements in JavaScript using hierarchical way and selector way.
- How to manipulate HTML elements using HTML DOM
- How to make AJAX call, get the XML or JSON output and read it using XML DOM and JSON Parser.
- HTML FORM validations using JavaScript.

Pre-Angular

Introduction JavaScript based Frameworks - AngularJS, Angular2, Backbone.js, React.js, Ember.js,

Angular4

- Overview
- Environment Setup
- Project Setup
- Components
- Module
- Data Binding
- Event Binding
- Templates
- Directives
- Pipe
- Routing
- Services
- HTTP Service
- Forms
- Animations
- Angular Material – Auto complete, Date picker, Slider, Menus, Grids, Toolbar

Angular5

- Overview
- Environment Setup
- Project Setup
- Components
- Property Binding
- Concept of Interpolation
- Concept of Event Binding
- Routing in Angular5
- Services

Node.js

- Overview
- Environment Setup
- Project Setup & First Application
- REPL terminal
- Package Manager
- Callback Concepts
- Event Loop
- Event Emitter
- Buffers
- Streams
- File System
- Global Objects
- Utility Modules
- Web Modules
- Express Framework
- RESTful API
- Scaling Application
- Packaging

Express.js

- Overview
- Environment Setup
- Project Setup & Sample Program
- Request & Response
- GET & POST
- Routing
- URL Binding
- Middleware
- Templating

Aurelia.js, Meteor.js, Vue.js, Polymer, Knockout.js, Marko.js, Mithril.js, Taste.js, Spine, Matreshka, Nuclear.js, Dojo, Hyperapp

Angular2

- Overview - Limitations of AngularJS with JavaScript, ES6 and TypeScript
- Language Features, Features of Angular2 using TypeScript, Components of Angular2 - Modules, Components, Templates, Metadata, Service
- Environment Setup
- Modules
- Architecture
- Components
- Directives
- Data Binding
- Error Handling
- Routing & Navigation
- Forms
- CLI
- Dependency Injection -
- Advanced Configuration -
- Angular 2 Events
- Pipes -
- INPUT Tag -
- Lifecycle Hooks
- Services -
- HTTP Service

- Templates

Angular 6

- Angular 6 Features
- Project Setup and First App
- Basics (Modules Introduction, Creating a New Component, Understanding the role of AppModule and Component Declaration, Component Templates, Component Styles, Data binding, String Interpolation, Event Binding, Bindable Properties & Events, Two-way data binding)
- Navigation Bar, Non-Collapsible Navigation Bar
- Debugging
- Deep dive into Components and Databinding
- Deep dive into Directives
- Services & Dependency Injection

- Static Files
- Form Data
- Database
- Cookies
- Sessions
- Authentication
- RESTful APIs
- Scaffolding
- Error Handling
- Debugging

MongoDB

- Overview
- NoSQL
- Environment
- Data Modeling
- Database
- Collection
- CRUD: Documents
- Miscellaneous
- Advanced Concepts