

Front End Web Developer

Course Overview

In this course, we will start from the ground up by learning how to implement modern web pages with HTML, CSS and JavaScript. We will explore the core design of Angular 2 , its components and code organization techniques. We will learn how to develop SPA application using Angular CLI.

By the end of the course, you will learn -

- Web development Skills
- Command on Angular 2 Framework
- Develop SPA application using Angular 2 and usage of Angular CLI
- Build a fully functional, well organized and tested web application using Angular 2 and deploy it to the cloud

Course Outline

Web Development Basics

- What is web or w3
- DNS
- Request-response model
- Http basics
- Browser storage

Development Tools

- Visual code, Visual Studio, Sublime, SQL management Studio, Postman, fiddler
- Version Control - Git, SVN

Programming Basics

- OOP's Concepts
- MVC paradigm and Scaffolding
- Web Services or Web API

Designing a Web Page with HTML and CSS

- What is html
- html5 basics - elements, attribute, formatting
- Adding images, links, list, tables
- What is CSS
- Colors and Names in CSS
- Styling with CSS

JavaScript Programming

- JavaScript Basics- variable, data types, operators, function
- Scoping, loops, conditional Execution
- Modifying DOM with JavaScript
- Inputs and Events, Ajax calls
- jQuery Basics

TypeScript

- Basic Types, Variable Declarations
- Interfaces, Classes
- Functions, Generics
- Iterators and Generators
- decorators

Angular 2

- Angular History and Architecture
- Environment Setup
- Angular Modules and libraries
- Templates and data binding

- Directive and Components
- Forms
- Dependency injection and Services
- Angular routing

Deployment

- Task runners and bundler: Grunt, Gulp, web pack
- Website hosting

Course Project

- Design Student Profile Page Using HTML and CSS
- Simple carousel project using JavaScript
- Design a Home page for an ecommerce website with user login using Angular
- Complete Website Development for Coupon System - This System allow find and share coupon codes and promo codes for great discounts at thousands of online stores.

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