

Introduction to UI Technologies

- UI Developer roles and Responsibilities
- UX designer roles
- Technologies needed
- Power of UI
- Current market requirements on UI

Introduction to Web

- What is web
- Web Terminology
- Web Architecture
- Hosting Sites on Local Servers
- Setup Environment to Build Web Applications
- Basic Requirements for Building End to End Web Application
- UI and UX development tools

HTML Introduction

- Introduction to HTML overview
- Getting started with HTML
- What's in the head? Metadata in HTML
- HTML text fundamentals
- Creating hyperlinks
- Advanced text formatting
- Document and website structure
- Debugging HTML

HTML Multimedia

- Multimedia and embedding overview
- Images in HTML
- Video and audio content
- From object to iframe — other embedding technologies
- Adding vector graphics to the Web
- Responsive images

HTML Tables

- HTML tables overview
- HTML table basics
- HTML Table advanced features and accessibility

HTML Forms

- HTML forms overview
- Your first HTML form
- How to structure an HTML form
- The native form widgets
- Sending form data
- Form validation
- How to build custom form widgets

- Sending forms through JavaScript
- HTML forms in legacy browsers
- Styling HTML forms
- Advanced styling for HTML forms

CSS 3

Introduction to CSS

- Introduction to CSS overview
- How CSS works
- CSS syntax
- Selectors introduction
- Simple selectors
- Attribute selectors
- Pseudo-classes and pseudo-elements
- Combinators and multiple selectors
- CSS values and units
- Cascade and inheritance
- The box model
- Debugging CSS

Styling Text

- Styling text overview
- Fundamental text and font styling
- Styling lists
- Styling links
- Web fonts

Styling Boxes

- Styling boxes overview
- Box model recap
- Backgrounds
- Borders
- Styling tables
- Advanced box effects

CSS Layout

- CSS layout overview
- Introduction
- Normal Flow
- Flexbox
- Grids
- Floats
- Positioning
- Multiple-column Layout
- Legacy Layout Methods
- Supporting Older Browsers
- Fundamental Layout Comprehension

CSS 3 Features

- CSS3 Border
- CSS3 Color
- CSS3 Background
- CSS3 Gradients
- CSS3 Text Overflow
- CSS3 Drop Shadows
- CSS3 2D Transforms
- CSS3 3D Transforms
- CSS3 Transitions
- CSS3 Animations
- CSS3 Multi-Column Layouts
- CSS3 Box Sizing
- CSS3 Flexbox
- CSS3 Filters
- CSS3 Media Queries
- CSS3 Miscellaneous

JavaScript

- Introduction
- Grammar and types
- Control flow and error handling
- Loops and iteration
- Functions
- Expressions and operators
- Numbers and dates
- Text formatting
- Regular expressions
- Indexed collections
- Keyed collections
- Working with objects
- Details of the object model
- Using promises
- Iterators and generators

- Meta programming

Intermediate JavaScript

- Introducing JavaScript objects
- Client-side web APIs
- A re-introduction to JavaScript
- JavaScript data structures
- Equality comparisons and sameness
- Closures

JavaScript Advanced

- Inheritance and the prototype chain
- Strict mode
- JavaScript typed arrays
- Memory Management
- Concurrency model and Event Loop

JQuery

- Introduction
- JQuery Selectors
- JQuery Events
- JQuery Effects
- JQuery with HTML and CSS
- JQuery Ajax

TypeScript

- Basic types
- Variable declarations
- Interfaces
- Classes
- Functions
- Generics
- Enums
- Type inference
- Type compatibility
- Advanced types
- Symbols
- Iterators & generators
- Modules
- Namespaces
- Namespaces vs modules

- Module resolution declaration merging
- Jsx
- Decorators
- Triple-slash directives
- Type checking js files
- Utility types

Angular JS

- Environment Setup
- MVC Architecture
- First Application
- Directives
- Expressions
- Controllers
- Filters
- Tables
- Modules
- Forms
- AJAX
- Views
- Scopes
- Services

Bootstrap 4

- Bootstrap 4 | Tables
- Meaning of numbers in “col-md-4”, “col-xs-1”, “col-lg-2” in Bootstrap
- Bootstrap 4 | Navigation Bar
- Bootstrap 4 | Colors
- Bootstrap 4 | Dropdowns
- How to disable tabs in Bootstrap ?
- Bootstrap 4 | Button Groups
- Colors and gradients in bootstrap with examples
- Bootstrap | Tables | Set-1
- Bootstrap 4 | Cards
- Bootstrap 4 | Grid System
- Bootstrap 4 | Popover
- Bootstrap 4 | Utilities
- Modal JavaScript plugin (bootstrap) with example
- Bootstrap | Media queries
- Bootstrap 4 | Buttons
- Bootstrap 4 | Custom Forms
- Bootstrap 4 | Badges
- Bootstrap 4 | Collapse
- Bootstrap 4 | Tooltip

- Bootstrap | Tables | Set-2
- Bootstrap 4 | Images
- Include Bootstrap in AngularJS using ng-bootstrap
- Bootstrap | Scrollspy
- Bootstrap 4 | Spinners
- Text to Voice conversion using Web Speech API of Google Chrome
- Bootstrap 4 | Navs
- Bootstrap 4 | Flex