



UI/UX Full Stack **Web Developer.** Complete Program

1) HTML5

1. Introduction HTML
2. HTML Basics
3. HTML Elements
4. HTML5 Semantic
5. HTML Attributes
6. HTML Headings
7. HTML Paragraph
8. HTML Styles
9. HTML Formatting
10. HTML Quotations
11. HTML Computer Code
12. HTML Comments & Colors
13. HTML CSS, Links and Images
14. HTML Lists
15. HTML Blocks
16. HTML Classes
17. HTML Layouts
18. HTML Responsive
19. HTML iframes
20. HTML JavaScript
21. HTML Head
22. HTML Entities and URI Code
23. HTML Symbols and XHTML

24. HTML Charset and Forms

2) CSS3

1. CSS3 Syntax
2. CSS3 How To
3. CSS3 Colors
4. CSS3 Backgrounds
5. CSS3 Borders
6. CSS Padding
7. CSS Height/Width
8. CSS3 Gradients
9. CSS3 Shadows
10. CSS3 Text
11. CSS3 Fonts
12. CSS3 2D Transforms
13. CSS3 3D Transforms
14. CSS Links
15. CSS Lists
16. CSS Tables
17. CSS Box Model
18. CSS Outline
19. CSS Display
20. CSS Max-width
21. CSS Position
22. CSS Float
23. CSS Inline-block
24. CSS Align

25. CSS Combinators
26. CSS Pseudo-class
27. CSS Pseudo-element
28. CSS Navigation Bar
29. CSS Dropdowns
30. CSS Tooltips
31. CSS3 Images
32. CSS Attr Selectors
33. CSS Forms
34. CSS Counters
35. CSS3 Animations
36. CSS3 Buttons
37. CSS3 Pagination
38. CSS3 Multiple Columns
39. CSS3 User Interface
40. CSS3 Box Sizing
41. CSS3 Filters
42. CSS3 Media Queries
43. CSS3 Responsive

3) JavaScript

- 1.Introduction to JavaScript
- 2.Java Script Language Basics
- 3.JavaScript Objects
- 4.JavaScript Scope
- 5.JavaScript Events
- 6.JavaScript Strings
- 7.JavaScript Numbers
- 8.JavaScript Math
- 9.JavaScript Arrays

- 10. JavaScript Boolean
- 11. JavaScript Comparisons
- 12. JavaScript Conditions
- 13. JavaScript Switch
- 14. JavaScript Loops
- 15. JavaScript Type Conversion
- 16. JavaScript RegExp
- 17. JavaScript Errors
- 18. JavaScript Debugging
- 19. JavaScript Hoisting
- 20. JavaScript Strict Mode
- 21. JavaScript Functions
- 22. JavaScript Objects
- 23. JavaScript Forms
- 24. JavaScript HTML DOM
- 25. JavaScript BOM
- 26. jQuery

4) Angular

1. Angular JS Basics

- What is Angular JS?
- Why Angular JS?
- Why MVC matters
- MVC-The Angular JS way
- Features of Angular JS ,Model-View-Controller
- My First Angular JS app

2. Angular Expressions

- All about Angular Expressions
- How to use expressions, Angular vs JavaScript

3. Filters

- Built-In Filters, Using Angular JS Filters
- Creating Custom Filters

4. Session 8: Directives

- Introduction to Directives, Directive Lifecycle
- Binding controls to data, Matching directives
- Using Angular JS built-in directives
- Creating a custom directive

5. Controllers

- Role of a Controller, Controllers & Modules
- Attaching Properties and functions to scope
- Nested Controllers, Using Filters in Controllers
- Controllers in External Files

6. Angular JS Modules

- Introduction to Angular JS Modules
- Bootstrapping Angular JS

7. Angular JS Forms

- Working with Angular Forms, Model Binding
- Forms Events, Updating Models with a Twist
- Form Controller, Validating Angular Forms
- \$error object

8. Scope

- What is scope, Scope Lifecycle
- Scope Inheritance, Scope & Controllers
- Root scope, Scope Broadcasting
- Two-way data binding, Scope Inheritance
- Scope & Directives, \$apply and \$watch
- Scope Events

9. Dependency Injection & Services

- What is Dependency Injection
- Creating Services, Factory, Service & Provider
- Using Dependency Injection, What are services
- Using Angular JS built in services

10. Single Page Application (SPA)

- What is SPA, Pros and Cons of SPA
- Passing Parameters, Changing location
- Installing the ng Route module, Configure routes
- Resolving promises, Creating a Single Page Apps

11. Angular JS Animation

- ng Animate Module, CSS Transforms
- CSS Transitions, Applying Animations

5) React

1. Introduction to ReactJS

- History of front end libraries
- Motivation for using React
- Key differentiators (Virtual DOM, One way binding)
- Thinking in React

2. React Components

- React component
- Render function
- Component API
- Component lifecycle
- State
- Props
- Mixins
- JSX

3. React internals

- Reconciliation algorithm

4. Component inter communication

- Component composition
- Pass data from parent to child
- Pass data from child to parent

5. Component styling

- Radium
- CSS Modules
- LESS/SASS

6. Unit testing components

- Jasmine
- React test utilities

7. Performance optimizations

- PureRenderMixin
- Expensive DOM manipulations
- Performance tools