

Java Frontend UI :- 20 days --- 20 hrs

HTML

HTML Fundamentals Introduction

- HTML documents
- Demo: using doctype
- The head element
- Demo: using <head>
- The body element
- Using id and class attributes

HTML Text

- Headings
- Demo: Headings
- Block vs. Inline Elements
- Demo: Block and Inline Elements
- Whitespace
- Demo: Whitespace
- Additional Text Elements
- Demo: Additional Elements

HTML Lists

- List Types
- Demo: Creating Lists
- Demo: List Rendering

HTML Links

- Link concepts
- Demo: Linking Documents
- Understanding Targets
- Demo: Linking to Targets
- Additional Link Attributes

HTML Tables

- Table Elements

- Demo: Structuring a Table
- Table Data
- Spanning Columns and Rows
- Formatting Tables
- Demo: Table Formatting

HTML Form and Form Elements

- Introduction
- HTTP Get Request
- HTTP POST Request
- Form Input Elements

HTML forms fundamentals

- Form Basics
- Demo: Form Basics
- Form Settings
- Demo: Form Settings

HTML form inputs

- Text inputs
- Demo: Text inputs
- Selections
- Demo: Selections
- Input attributes
- Demo: Input attributes

HTML Images and Objects

- Image and Object Concepts
- Demo: Adding Images
- Demo: Adding Objects

HTML5

Introduction to HTML5

- Limitations of HTML4
- Introduction and Advantages of HTML5
- First HTML5 Document

- Overview of New Features of HTML5

Page Layout Semantic Elements

- Header
- Navigation
- Section & Articles
- Footer
- Aside and more

Form Elements and Attributes

- New Input Types
- New Elements in Form
- New Attributes in Form Tag
- New Attributes in <input> Tag

Working with Canvas

- Coordinates
- Path and Curves
- Drawing Lines, Rectangles and Circles
- Text and Font
- Color Gradiations
- Drawing Images

Scalable Vector Graphics (SVG)

- Understanding SVG
- Benefits of SVG
- Using SVG Tag
- Comparing with Canvas

Media – Audio and Video

- Audio and Source tags
- Video and Source tags
- Track tag
- Mime types supported
- Browser Compatibility
- Programming using Javascript

Drag and Drop

- Drag and Drop Events
- Programming using JavaScript

Web Storage

- Overview
- Local Storage
- Session Storage
- Browser Compatibility

CSS

Working with CSS

- Introduction to CSS
- Understanding Document Object Model
- Introduction to style sheets
- CSS Syntax
- CSS Comments

The CSS Rules

- Ways to work with CSS
- External style sheet
- Internal style sheet
- Inline style

CSS Selectors

- The element Selector
- The id Selector
- The class Selector
- Grouping Selectors

The CSS Cascade

- Background Color
- Background Image
- Background Image – Repeat Horizontally or Vertically
- Background Image – Set position and no-repeat

CSS Fonts & Typography

- CSS Font Families
- Font Style
- Font Size
- Text Color
- Text Alignment
- Text Decoration
- Text Transformation

Working with Links and List

- Styling Links
- Common Link Styles
- List Item Markers
- Image as The List Item Marker

Working with Table

- Table Borders
- Collapse Borders
- Table Width and Height
- Text Alignment
- Table Padding
- Table Color

CSS Color & Positioning

- Web colors
- hex colors
- Color tools

CSS Box Model

- Working with Content
- Working with Padding
- Working with Border
- Working with Margin

CSS Display and Positioning

- CSS Display and Visibility
- How Elements Float

- Turning off Float – Using Clear
- Static Positioning
- Fixed Positioning
- Relative Positioning
- Absolute Positioning

CSS3

Working with CSS3

- Introduction to CSS3
- Selectors
- Box Model

CSS3 Borders

- Working with border-radius
- Working with box-shadow
- Working with border-image

CSS3 Backgrounds

- background-size
- background-origin

CSS3 Gradients

- Linear Gradients
- Radial Gradients

CSS3 Text Effects

- text-shadow
- word-wrap

CSS3 Web Fonts

- Creating custom fonts
- Font Descriptors

CSS3 2D Transforms

- Working with translate
- Working with rotate
- Working with scale
- Working with skew

- Working with matrix

CSS3 3D Transforms

- Working with rotateX
- Working with rotateY

CSS3 Transitions and Animations

- Working with Animations
- Working with Transitions

Bootstrap3

Working with Bootstrap 3

- Introduction to Bootstrap 3
- Bootstrap History
- Why Bootstrap
- Embedding Bootstrap in to page

Bootstrap Grid System

- Importance of Grid System
- Grid Classes
- Bootstrap Stacked/Horizontal
- Bootstrap Grid Small
- Bootstrap Grid Medium
- Bootstrap Grid Large
- Bootstrap Grid Examples

Bootstrap Text/Typography

- Working with Text
- Working with Contextual Colors and Backgrounds

Bootstrap Images

- Rounded Corners
- Circle
- Thumbnail

Bootstrap Jumbotron

- Inside Container
- Outside Container

Bootstrap Buttons

- Button Styles
- btn-default
- btn-primary
- btn-success
- btn-info
- btn-warning
- btn-danger
- btn-link
- Button Sizes
- btn-lg
- btn-md
- btn-sm
- btn-xs
- Active/Disabled Buttons

BS Button Groups

- Vertical Button Groups
- Nesting Button Groups & Drop Down Menus

Bootstrap Glyphicons

- Glyphicon Syntax
- Badges
- Progress Bars

Bootstrap Pagination

- Basic Pagination
- Active State
- Disabled State
- Pagination Sizing

Bootstrap Pager

Bootstrap List Groups

Bootstrap Forms

Bootstrap Inputs

Bootstrap Carousel

Bootstrap Plugins

- Overview
- Transition Plugin
- Collapsible Plugin
- Modal Dialog Plugin
- Dropdown Plugin
- Scrollspy Plugin
- Tab Plugin
- Tooltip Plugin
- Popover Plugin
- Alert Plugin
- Button Plugin
- Carousel Plugin
- Affix Plugin

JavaScript

- Introduction
- Where To
- Output
- Syntax
- Statements
- Comments
- Variables
- Operators
- Arithmetic
- Assignment
- Data Types
- Functions
- Objects
- Scope
- Events

- Strings
- String Methods
- Numbers
- Number Methods
- Math
- Dates
- Date Formats
- Date Methods
- Arrays
- Array Methods
- Booleans
- Comparisons
- Conditions
- Switch
- Loop For
- Loop While
- Break
- Type Conversion
- RegExp
- Errors
- Debugging
- Hoisting
- Strict Mode
- Style Guide
- Best Practices
- Mistakes
- Performance
- Reserved Words
- Forms
- Forms Validation
- Forms API

jQuery

jQuery – Introduction

- JQuery Library
- First JQuery Example
- The Document Ready Function
- How to escape a special character

jQuery – Selectors

- Basic Selectors
- Precise Selectors
- Combination of Selectors
- Hierarchy Selectors
- Selection Index Filters
- Visibility Filters
- Forms Selectors
- Forms Filters

Find Dropdown Selected Item

jQuery – Document Traversal

- Getting a specific DOM element

jQuery – Event

- Events Helpers
- Attach Event
- Detaching Events
- Events Triggering
- Live Events

jQuery – Effects

jQuery – HTML Manipulation

jQuery – UI

Working with UI frame work

Live examples

Angular JS

- What is AngularJS

- Angular Architecture
- Angular modules
- Controllers in AngularJS
- Two way data binding in AngularJS
- AngularJS directives
- Custom Directives in Angular Js
- Filters
- Custom filters
- http and custom services
- Routing
- Layout and partial templates
- Project Demo