



# Learn & Master **UI Development.**

Classroom | Online | Corporate

# WHY

## School of Analytics

“As one of the INDIA's leading tech training and talent organisations, SOA helps individuals ranging from those at the start of their journey who want to learn UI Development to seasoned professionals looking to develop and extend professional services competencies, with training to get the most of UI Development.”



# Learning Pathway .

## 01 Intro to Web App Development

- What is web / internet
- What is web site
- What is web page
- What is web browser
- What is web server
- What is web client
- What is web technology
- Client side web technologies (vs) server side web technologies

## 02 HTML 4

- Intro to html
- Syntax of html
- Creating simple web page using html
- Intro to html elements / html tags
- <html>, <body>
- <h1>, <h2>, <h3>, <h4>, <h5>, <h6>
- <b>, <i>, <u>, <strong>, <em>, <sup>, <sub>
- <abbr>, <bdo>, <article>
- <br>, <img>, <a>
- <head>, <title>, <meta>
- <ul>, <ol>, <li>, <dl>, <dt>, <dd>
- <table>, <tr>, <td>, <th>, <caption>
- <div>, <span>
- <form>, <input>, <textarea>
- <select>, <option>, <optgroup>
- <button>, <fieldset>, <legend>, <label>
- <iframe>

## 03 HTML 5

- Intro to HTML 5
- Need of HTML 5 in real web sites
- Removed elements
- Remove attributes
- <meter>, <progress>, <figure>, <figcaption>
- <details>, <summary>
- <datalist>, <output>
- New input types
- New attributes of <input> tag
- <audio>, <video>
- localStorage, sessionStorage
- <header>, <nav>, <section>, <aside>, <footer>
- Geo location
- App cache
- Web workers
- Server sent events



- Drag and drop
- Important canvas and SVG concepts

## 04 Responsive Web Design

- Intro to Page Template Development
- Header, nav, leftcol, pagecontent, footer
- Intro to responsive web design
- Need of RWD in real web sites
- Extra-small, small, medium, large devices
- Media queries
- Targeting CSS file to various resolutions & HTML Entities

## 05 CSS 2.1

- Intro to CSS 2.1
- Need of CSS in real web sites
- Syntax of CSS
- Background properties
- Font properties
- Text properties
- Link properties
- List properties
- Box model (padding, margin, border)
- Display property
- Position property
- Overflow property
- Important CSS selectors
- Opacity
- Float
- Internal, inline, external styles

## 06 CSS 3

- Intro to CSS 3
- rgba
- Border radius
- Box shadow, text shadow
- Word wrap
- Resize
- Multiple columns
- Transitions
- Animations
- 2D Transformations
- Gradient colors
- Font face

## 07 JavaScript

- Intro to JavaScript
- Need of JavaScript in real web sites
- Variables
- Operators
- Control statements
- Dialog boxes

- User-defined functions
- DOM manipulations
- Event handling
- Click, dblclick, focus, blur
- Mouseover, mouseout, mousemove
- Keyup, keypress, change, onload
- Updating CSS using JavaScript
- Updating attributes using JavaScript
- Creating, removing elements
- Setinterval, Settimeout
- Random
- External JavaScript
- Validations using JavaScript
- String methods
- Date methods

## 08 Application Services

- Intro to jQuery
- Need of jQuery in real web sites
- Advantages of jQuery
- jQuery versions
- jQuery production vs development
- Downloading jQuery
- val, html, text
- Bind and Unbind
- Click, dblclick, focus, blur, change
- Mousemove, mouseover, mouseout
- Keypress, keyup
- Disabling cut, copy, paste using jQuery
- Disabling right click using jQuery
- Filtering characters in a textbox using jQuery
- Fade in, fade out, fade to, fade toggle
- Show, hide, toggle
- Slide down, slide up, slide toggle
- jQuery chaining
- addClass, removeClass, toggleClass, hasClass, css
- attr, removeAttr
- jQuery animations
- jQuery animations with easing effects
- Important jQuery selectors and filters
- append, prepend, after, before
- AppendTo, prependTo, insertAfter, insertBefore, clone
- Wrap, wrapAll, empty, remove, replaceWith

## 09 JSON

- Intro to JSON
- JSON syntax
- Need of JSON in real web sites
- JSON object
- JSON array
- Complex JSON objects
- Reading JSON objects using jQuery

## 10 Bootstrap

- Introduction to Bootstrap
- Need of Bootstrap in real web sites
- Bootstrap First Example
- Bootstrap Lead
- Bootstrap Alignment
- Bootstrap Text colors
- Bootstrap Tables
- Bootstrap Buttons
- Bootstrap Glyphicons
- Bootstrap Show
- Bootstrap Hidden
- Bootstrap Images
- Bootstrap Jumbotron
- Bootstrap Paging
- Bootstrap Panels
- Bootstrap DropDown
- Bootstrap NavBar
- Bootstrap Breadcrumbs
- Bootstrap ProgressBar
- Bootstrap Modal Plugin
- Bootstrap Tabs Plugin
- Bootstrap Carousel Plugin
- Bootstrap Grid system (Responsive Web Design)
- Bootstrap Forms



*Develop a passion for learning. If you do, you will never cease to grow.*



Let us know how we can help you, or your  
organisation with your learning or  
talent requirements.

## CONTACT US



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