FRONT-END DEVELOPMENT

Course Duration:
40 training hours

cacttus®
Education

COURSE OUTLINE

INTRODUCTION AND COURSE OVERVIEW

- What is Front End Development?
- What is difference between Front End Development and Back End Development?
- What is a web browser, server and how they work?
- Install required tools

- Intro to HTML.
- HTML Structure
- Specifying different versions of HTML – Doctype
- Understanding structure
- Learning about markup
- Tags, attributes and elements

- Text
- Headings and paragraphs
- Bold, italic, emphasis
- Structural and semantic markup

- Lists
- Numbered lists
- Bullet lists
- Definition lists

- Links
- Creating links between pages
- Linking to other sites
- Email links

- Images
- How to add images to pages
- Choosing the right format of image
- Optimize images for the web

- Tables
- How to create tables
- What information suits tables
- How to represent complex data in tables

- Forms
- Different kinds of form controls
- New HTML5 form controls

- Forms
- New HTML5 form controls
- Validations

- Video
- Audio
- Iframes – YouTube

- Comments
- Meta Information
- Class Attribute
- ID Attribute
- Escape characters

- Block elements
- Inline elements
- Inline block elements
- Grouping elements & text elements in block and inline

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- Introduction in CSS
- What CSS does?
- How CSS works?
- Rules, properties and values
- Inheritance, parent - Child relationship

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- **Color – CSS**
  - How to specify a color
  - Color terminology and contrast
  - Background color
- **Text**
  - Size and typeface of text
  - Bold, italics, capitals, underlines
  - Spacing between lines, words and letters
- **Pseudo classes and elements in CSS?**
- **CSS Resets**
How they work
- **Boxes**
  - Controlling size of boxes
  - Box model for borders, margin, and padding
  - Displaying and hiding boxes
  - Shadows
- **List, Tables and forms**
  - Specifying bullet point styles
  - Adding borders and backgrounds to tables
  - Changing the appearance of form elements
- **Layout**
  - Controlling the position of elements
  - Creating site layouts
  - Designing for different sized screens
  - Positions
- **Images**
Controlling size of images in CSS
Aligning images in CSS
Adding background images
- **CSS3 Transitions**
- **CSS3 Transforms**
- **CSS3 Animations**
- **Screen Sizes**
  - Screen Resolutions
  - Page Size
  - Fixed Layout
  - Liquid Layout
- **Responsive Websites**

BOOTSTRAP

- **DevTools**
  - How to test a website with DevTools
  - HTML5 Layout
- **Process & Design**
  - How to approach building a site
  - Sitemaps
  - Wireframe
  - Visual Hierarchy
- **Convert font and add in website**
Google Fonts
- **CSS Preprocessors**
- **Introduction to Javascript**
- **What is Javascript**
- **How Javascript works**
- **Working with Document Object**
Model – DOM
- **Javascript variables, strings and arrays**
- **Javascript functions and objects**
- **Javascript loops**
- **Javascript conditions**
- **Javascript events**
- **jQuery Introduction**
How jQuery works
- **jQuery Selectors and Events**
- **jQuery Traversing**
- **jQuery Effects**
  - Fade Effect
  - Slide Effect
  - Callbacks
- **Create image slider and add in website**
- **Google Map in website**
- **Slice tools**
Learn how to slice a photoshop design
- **PSD Slice**
- **Deploy a website**
  - Web Hosting
  - Domain