

A web designer job extends to beyond just creating a good website design; his knowledge on the subject coupled with his ability to meet requirements also matters. We at Ace web academy realize that all of are thriving in the age of technology that is constantly evolving; and provide user centric training courses in web designing. Our courses are comprehensive in nature with the right mix of technical as well as the additional non technical skills required to create that web designer who will fulfill demands with a holistic approach.

### Exploring Photoshop

- ➔ Photoshop Keystrokes
- ➔ The Photoshop Workspace
- ➔ File Menu
- ➔ Edit Menu
- ➔ Image Menu
- ➔ Layers Menu
- ➔ Select Menu
- ➔ Filter Menu
- ➔ View Menu
- ➔ Window Menu

### Types of Images and Image Editing Tools

- ➔ Basic image editing best practice
- ➔ Batch image editing
- ➔ Optimized image editing
- ➔ The master file concept
- ➔ Image editing types
- ➔ Pixel editing
- ➔ Parametric Image Editing (PIE)

- ➔ Parametric Image editing for rendered files
- ➔ Sharpening
- ➔ Image compositing

### Introduction to Adobe Photoshop Using Photoshop Tools

- ➔ The Toolbox
- ➔ Marquee Tools
- ➔ Lasso Tools Crop Tool
- ➔ The Move Tool
- ➔ Magic Wand Tool
- ➔ Healing Brush Tool
- ➔ Patch Tool
- ➔ Color Replacement Tool
- ➔ Clone Tool
- ➔ Channels
- ➔ History Brush Tool
- ➔ Paint Bucket
- ➔ Eraser
- ➔ Sharpen/Smudge/Blur Tools

- ➔ Dodge/Burn/Sponge Tools
- ➔ Path Selection Tool
- ➔ Type Tools
- ➔ Pen Tool
- ➔ Shape Tools
- ➔ Notes
- ➔ Eyedropper Tool
- ➔ Zoom Tool
- ➔ Hand Tool

### Palettes

- ➔ Actions
- ➔ Animation
- ➔ Brushes
- ➔ Channels
- ➔ Character
- ➔ Color
- ➔ Histogram
- ➔ History Info
- ➔ Layer Comps
- ➔ Layers
- ➔ Navigator
- ➔ Options
- ➔ Paragraph
- ➔ Paths
- ➔ Styles
- ➔ Swatches

Layers, Actions and Filters

- ➔ Create a New Action Set If Needed
- ➔ Create a New Action
- ➔ Click the "Record" Button
- ➔ Make Snapshot
- ➔ Duplicate the Background Layer
- ➔ Rename the New Layer
- ➔ Change the Blend Mode of the New Layer to "Overlay"
- ➔ Apply the "Gaussian Blur" Filter
- ➔ Lower the Opacity of the Layer To 65%
- ➔ Stop Recording the Action
- ➔ Alpha Channels
- ➔ Slice Tool
- ➔ Pencil Tool

### Creating Custom Effects

- ➔ Apply preset styles
- ➔ Display the Styles panel
- ➔ Apply a preset style to a layer
- ➔ Apply a style from another layer Change how preset styles are displayed
- ➔ Layer Style dialog box overview
- ➔ Apply or edit a custom layer style
- ➔ Change style defaults to custom values
- ➔ Layer style options and how to work on that

Design Banners, Basic Website Layout

Conversation of PSD to XHTML

## Dream Viewer

### Understand web design

- ➔ How should I create a website?
- ➔ Anatomy of a website
- ➔ Stages of web design

### Set up your project

- ➔ Learn the user interface
- ➔ Define a site in Dreamweaver
- ➔ Use the Property Inspector
- ➔ Change user preferences
- ➔ Synchronize Dreamweaver settings with Creative Cloud
- ➔ Do more with code
- ➔ Keyboard shortcuts
- ➔ Differences between Mac and Windows

### Structure web pages

- ➔ How to work with HTML layout
- ➔ Create HTML5-compliant pages
- ➔ How to visualize and visually modify your HTML structure
- ➔ Edit tags on the fly
- ➔ Advanced code completion and validation
- ➔ Create a new Dreamweaver template

### Lay out web pages

- ➔ Understand Cascading Style Sheets (CSS)

- ➔ Understand CSS page layout basics
- ➔ Understand the box model
- ➔ Lay out web pages with CSS
- ➔ Style page elements with CSS
- ➔ Center a website
- ➔ Edit CSS properties visually
- ➔ Style with CSS

### Style text content

- ➔ Work with text
- ➔ How to work with text in HTML
- ➔ Style web page text with CSS
- ➔ Create bulleted and numbered lists
- ➔ Work with Edge Web Fonts
- ➔ Typography and the web
- ➔ How to style a web page with CSS Designer
- ➔ How to design, edit, and preview web pages with new Live View features
- ➔ How to use CSS in Dreamweaver

### Add images and links

- ➔ How to make a hyperlink
- ➔ Create internal and external links
- ➔ Images in web design
- ➔ Insert images and alternate text
- ➔ Make an image link

### Create tables and forms

- ➔ Insert a table
- ➔ How to create a web form
- ➔

- ➔ Define forms in web pages
- ➔ Work with form properties

### Test your website

- ➔ Preview web designs
- ➔ Preview and inspect on mobile devices
- ➔ Validate HTML on a website

### Practice project: Create your first website

- ➔ Project overview and site setup
- ➔ Add and format text content
- ➔ Add structural elements and links
- ➔ Change the font and create basic styles
- ➔ Adjust space around elements and make images responsive
- ➔ Style links and the navigation menu
- ➔ Complete the second page and style the site for tablet and desktop
- ➔ Publish your website

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### Design responsive websites

- ➔ Create app and web layouts fast
- ➔ Design a responsive website
- ➔ Build responsive websites in Dreamweaver CC
- ➔ What are media queries?
- ➔ Explore fluid grid layouts

- ➔ Adjust layout for responsive design
- ➔ Create fluid, responsive web pages in Dreamweaver

## HTML

### Overview of Web Development

- ➔ Client-side Programming
- ➔ Server-side Programming

### Types of Webpages

- ➔ Static Webpage
- ➔ Dynamic Webpage
- ➔ Server Webpage

### Types Of Languages

- ➔ Programming Languages
- ➔ Scripting Languages

### Introduction To HTML Structure Of HTML Tag

- ➔ Empty Tag
- ➔ Container Tag
- ➔ Basic Tags Meta Tags
- ➔ Attributes & Parameters
- ➔ Font tag
- ➔ Formatting Tags
- ➔ Quotation and Citation ElementsComputer Code
- ➔ Comments
- ➔ Iframe

- ➔ Entities
  - ➔ Image tag
  - ➔ Link Tags
  - ➔ Image Link
  - ➔ Text Link
  - ➔ Email Link
  - ➔ Colors
  - ➔ Marquee Tag
    - ➔ List Ordered List
    - ➔ Unordered List
    - ➔ Nested List
    - ➔ Description List
  - ➔ Table Tag
  - ➔ Form tags
  - ➔ Frame Tag
  - ➔ Background Colors & Images
  - ➔ Embed Multimedia - Movie, Music
  - ➔ Introduction To XHTML
  - ➔ Difference Between HTML & XHTML
  - ➔ Introduction To Doctypes
  - ➔ W3C

## HTML 5

### What is HTML 5? Overview of HTML 5

- ➔ Browser Support
- ➔ W3C and Web Hypertext Application Technology Working Group (WHATWG).
- ➔ Specifications
- ➔ Power of HTML5 in web & mobile Domains
- ➔ Overview of updated new features

## HTML5 Syntax

- ➔ The DOCTYPE
- ➔ Character Encoding
- ➔ The <script> tag
- ➔ The <link> tag
- ➔ HTML5 Document

## Forms

- ➔ color
- ➔ date
- ➔ datetime
- ➔ datetime-local
- ➔ email
- ➔ month
- ➔ number
- ➔ range
- ➔ search
- ➔ tel
- ➔ time url
- ➔ week

## Form Elements

- ➔ <datalist>
- ➔ <keygen>
- ➔ <output>

## New Attributes For <Form>

- ➔ Autocomplete
- ➔ novalidate

### New Attributes For <Input>

- ➔ autocomplete
- ➔ autofocus
- ➔ form
- ➔ formaction
- ➔ formenctype
- ➔ formmethod
- ➔ formnovalidate
- ➔ formtarget
- ➔ height and width
- ➔ list
- ➔ min and max
- ➔ multiple
- ➔ pattern (regexp)
- ➔ placeholder
- ➔ required
- ➔ step

### Html5 New Elements

- ➔ <article>
- ➔ <aside>
- ➔ <canvas>
- ➔ <details>
- ➔ <figcaption>
- ➔ <figure>
- ➔ <footer>
- ➔ <header>
- ➔ <hgroup>
- ➔ <main>
- ➔ <mark>
- ➔ <meter>
- ➔ <nav>
- ➔ <section>
- ➔ <summary>
- ➔ <time>

### Video And Audio

- ➔ Media
- ➔ <audio>
- ➔ <video>
- ➔ <source>
- ➔ <embed>
- ➔ plugins
- ➔ YouTube

### Migration from HTML4 to HTML5

- ➔ HTML5 Browser Support
- ➔ HTML5 Elements as Block Elements
- ➔ Adding New Elements to HTML
- ➔ Problem With Internet Explorer
- ➔ Complete Shiv Solution
- ➔ HTML5 Skeleton

### Types Of Elements

- ➔ Semantic Elements
- ➔ Structural Elements

### Html5 Deprecated Tags

- ➔ <acronym>
- ➔ <center>
- ➔ <font>

- ➔ <frame>
- ➔ <frameset>
- ➔ <s>
- ➔ <u>

### Html5 Deprecated Attributes

- ➔ align-caption, iframe, img, input, legend, table, hr, div, h1, h2, h3, h4, h5, h6, p, td, th, and tr.
- ➔ background-body
- ➔ bgcolor-table, tr, td, th and body.
- ➔ border table
- ➔ cellpadding-table
- ➔ cellspacing-table
- ➔ hspace-img
- ➔ vspace-img
- ➔ noshade-hr
- ➔ rules-table size-hr
- ➔ type-li, ol and ul
- ➔ width-hr, table, td, th, pre

### App Cache or Offline Applications

- ➔ Browser Support
- ➔ Manifest File
- ➔ CACHE MANIFEST
- ➔ NETWORK
- ➔ Updating the Cache
- ➔ Notes on Application Cache

### Web Storage

- ➔ Local Storage
- ➔ Session Storage
- ➔ Web Workers
- ➔ Browser Support
- ➔ What is webworker
- ➔ Check Web Worker Support
- ➔ Create a Web Worker File
- ➔ Create a Web Worker Object
- ➔ Terminate a Web Worker
- ➔ Reuse the Web Worker

### Server Sent Events - One Way Messaging

- ➔ Browser Support
- ➔ Receive Server-Sent Event Notifications
- ➔ Check Server-Sent Events Support
- ➔ Server-Side Code

### MathML

- ➔ Introduction
- ➔ Browser Support
- ➔ MathML Characters
- ➔ Matrix Presentation
- ➔ Math Formulas

### Geolocation

- ➔ Locate the User's Position
- ➔ Browser Support
- ➔ getCurrentPosition() method



- ➔ Handling Errors & Rejections
- ➔ Displaying the Result in a Map
- ➔ Location-specific Information
- ➔ `getCurrentPosition()` Method - Return Data
- ➔ Geolocation object - Other interesting Methods

### Drag and Drop API

- ➔ Browser Support
- ➔ Make an Element Draggable
- ➔ What to Drag - `ondragstart` and `setData()`
- ➔ Where to Drop - `ondragover`
- ➔ Do the Drop - `ondrop`
- ➔ Drag image back and forth

### File API

- ➔ Accessing File Information
- ➔ Reading File Content

### WEB SQL

- ➔ Introduction
- ➔ Browser Support
- ➔ Core Methods
- ➔ Opening Database
- ➔ Executing queries
- ➔ INSERT Operation
- ➔ READ Operation

### Canvas Overview

- ➔ Lines
- ➔ Curves
- ➔ font
- ➔ Image
- ➔ Paths
- ➔ Shapes
- ➔ Color, gradients

### SVG

- ➔ What is SVG?
- ➔ SVG Advantages
- ➔ Differences Between SVG and Canvas
- ➔ Rectangle
- ➔ Circle
- ➔ Ellipse
- ➔ Line
- ➔ Polygon

### CSS

#### Types of StyleSheets

- ➔ Internal StyleSheets
- ➔ External StyleSheets
- ➔ Inline StyleSheets
- ➔ Compound StyleSheet

#### Types of Selectors

- ➔ Universal or Global
- ➔ Element or Tag

- ➔ Class
- ➔ Id

### MathML

- ➔ Introduction
  - ➔ Browser Support
  - ➔ MathML Characters
  - ➔ Matrix Presentation
  - ➔ Math Formulas
  - ➔ Descendant
  - ➔ Grouping

### Attribute

- ➔ Div's & Span tags
- ➔ Block & Inline Colors
- ➔ Box Model
- ➔ BorderOutline
- ➔ Margin
- ➔ Padding
- ➔ Background
- ➔ Font
- ➔ Text
- ➔ Images
- ➔ FORMS
- ➔ Lists
- ➔ Tables
- ➔ Dimension
- ➔ bottom
- ➔ float & clear
- ➔ Pseudo-class

- ➔ Pseudo-element
- ➔ Combinators
- ➔ Image Sprites
- ➔ Navigation Bar
- ➔ CSS Validations(W3C)

## CSS 3

### What's new in css3.0

- ➔ Background
- ➔ Gradients
- ➔ Text effects
- ➔ @FONT Face
- ➔ Google fonts
- ➔ 2D Transforms3D Transforms
- ➔ RGBA
- ➔ Box Resize
- ➔ Box Sizing
- ➔ Outline
- ➔ Transitions
- ➔ Animations
- ➔ Selectors
- ➔ Multiple Columns
- ➔ User Interface
- ➔ Media Queries

## JQuery

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

## jQuery UI

- ➔ Intro to jQuery UI
- ➔ Need of jQuery UI in real web sites
- ➔ Downloading jQuery UI
- ➔ Importing
- ➔ jQuery UI
- ➔ Draggable
- ➔ Droppable
- ➔ Resizable

- ➔ Selectable
- ➔ Sortable
- ➔ Accordion
- ➔ Auto Complete
- ➔ Button
- ➔ Set
- ➔ Date
- ➔ Picker
- ➔ Dialog
- ➔ Menu
- ➔ Progress Bar
- ➔ SliderSpinner
- ➔ Tabs
- ➔ Tooltip
- ➔ Color
- ➔ Animation
- ➔ Easing Effects
- ➔ addClass
- ➔ removeClass
- ➔ Effects
- ➔ jQuery UI themes
- ➔ Customizing
- ➔ jQuery UI
- ➔ widgets / plug-ins
- ➔ jQuery UI with CDN
- ➔ Consuming
- ➔ jQuery Plug-ins
- ➔ from 3rd party
- ➔ web sites