

Course in UI/UX Designing and Front end development

UXD | USER EXPERIENCE DESIGN

Designing a User Interface (UI) for a website, an application or even a game requires an indepth understanding of human psychology and various other contributing factors. We take an indepth look into the following factors & processes here and come up with unique and intuitive User Interfaces in this module.

- Usability
- Accessibility
- Information Architecture Design
- Interaction Design
- The Human Psychology | Human Computer Interaction
- Ergonomics
- UI Design
- From Concept to Delivery
- Designing UX for Websites, Web Applications, Mobile Apps and more...
- Designing Elements such as Icons, Logos, Infographics

Photoshop, Illustrator, Wireframe sketcher, HTML 5, CSS3 (web 3.0), SASS / Less, Bootstrap, Javascript, jQuery, Dreamweaver, Word press File Zilla.

Midas Multimedia™ offer Certificate Course in HTML 5 and CSS 3.0

What is HTML5?

HTML or Hypertext Markup Language is a formatting language that programmers and developers use to create documents on the Web. The latest edition HTML5 has enhanced features for programmers such as <video>, <audio> and <canvas> elements. You view a Web page written in HTML in a Web browser such as Internet Explorer, Mozilla Firefox or Google Chrome. The HTML5 language has specific rules that allow placement and format of text, graphics, video and audio on a Web page. Programmers use these programming tags or elements to produce web pages in unique and creative ways. Tags such as <section>, <article>, <header> enable the creator to make a more efficient and intelligent web page. Users will not have to use a Flash plug-in for video and audio content. Visual Studio users typically write code in HTML5 when creating web site content.

HTML5 will be the new standard for HTML.

What you are going to learn

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Website : www.midasmultimedia.in

We have designed this course for front end developers / UI developers to develop website using HTML 5, CSS3. By completing this course you will become expert in website development using HTML 5,CSS3 we cover All new Tags in HTML 5 including Semantic Tags such as header, nav , figure, article, aside, time, section, footer, progress, audio, video and HTML API like canvas, drag and drop, geolocation, web storage, svg etc.

Also we cover topics like how to develop responsive website for different devices.

Module 1: HTML Review
The History of HTML
What is HTML?
Tags
Documents
Getting Started
The Road for HTML5
The Browser Wars

Module 2: Feature Detection
What we strive for?
Browser Detection
Feature Detection
Modernizr
Polyfills

Module 3: The HTML5 New Elements
Structural Elements
New Form/Input Elements
New Attributes

Module 4: Canvas
Canvas - The Future of Graphics on the Web
Simple Shapes
Shape Styles
Complex Shapes
Text & Shadows
Canvas & SVG

Module 5: Video and Audio

HTML5 & RIA
Video and audio in the web
How multimedia looks like to a computer?

Video/audio formats and codecs
Controlling your multimedia with javascript
Code example – loop
Video and audio lab
Lab: Video and audio

Module 6: Web Storage
Introduction
Web Storage vs. Cookies
Storage types
Methods and Properties
Events

Module 7: Geolocation
Introduction
Geolocation API

Module 10: HTML5 APIs
HTML5 JavaScript APIs: overview
Web Sockets
Web Workers
Drag-and-Drop

Module 11 Migrating From HTML4 to HTML5

Migration Check List

CSS 2 and 3

Module 12 What is CSS
What is new in CSS 3
Selectors
Pseudo classes
Attribute selectors
Advanced Selectors

Module 13 Backgrounds
Border
Color

Fonts
Text

Module 14 Multi-column layout
Content
Divisions
Division based Layouts
Transforms
Transitions
Animations
Cross Browser Issues
Flex
Grid

Module 13 Desktop and Mobile Website Development

Project

SASS / Less

SEO Techniques

Responsive using MediaQuery and Bootstrap

Dreamweaver

Javascript

What is JavaScript

What can't you do with JavaScript?

Java "vs" JavaScript

The hierarchy of JavaScript Objects

window Object

document Object

Outputting Text with JavaScript

Using Arrays to Refer to Forms

Setting the bgColor

navigator Properties

DataTypes

parseInt() & parseFloat()

Variables

Variable concatenation Examples 1 & 2

Expressions & Operators

Clock Example using the Conditional Operator

JavaScript Objects

String Object

JavaScript String Manipulation Examples

HTML String Methods

Math Object

Date Object

Date Object Example

JavaScript Built-in Functions

Event Handlers

The concept of Program Control

Introduction to if -- else Branching

while loops

more about while loops

for loops

Functions

with no parameters

with parameters -- passing arguments

this keyword

returning values

Variable Scope

Local --vs-- Global Variables

Functions & their locations within a document

Functions at work

Status Bar

Review of the JavaScript Object Hierarchy

onMouseOvers & Hyperlinks

onMouseOvers & onMouseOuts to perform different functions

Digital Clock

Changing an Image Using the onClick Event Handler

Changing images using a hyperlink

Arrays

"Browser Detection" Version 1

CheckBox Textfields

Demo of document.write() & "how" it works

Form Object

Forms -- A Quick Introduction

Form Elements

Select -- a "through" study

Which browser is your favorite

Selects

Multiple Selects

Form Validation

Quiz

Cookies

XML connectivity

Photo Gallery using XML

Menus and Submenus

jQuery Introduction

- [iQuery Intro](#)
- [iQuery Install](#)
- [iQuery Syntax](#)

- [iQuery Selectors](#)
- [iQuery Events](#)

jQuery Effects

- [iQuery Hide/Show](#)
- [iQuery Fade](#)
- [iQuery Slide](#)
- [iQuery Animate](#)
- [iQuery stop\(\)](#)
- [iQuery Callback](#)
- [iQuery Chaining](#)

jQuery Forms

- Form Selector
- [Form Event](#)
- Form elements
- Form validation

jQuery Event handling

jQuery Browser Events

jQuery Mouse Events

jQuery Keyboard Events

jQuery HTML

- [iQuery Get](#)
- [iQuery Set](#)
- [iQuery Add](#)
- [iQuery Remove](#)
- [iQuery CSS Classes](#)
- [iQuery css\(\)](#)
- [iQuery Dimensions](#)

jQuery AJAX

- [jQuery AJAX Intro](#)
- [jQuery Load](#)
- [jQuery Get/Post](#)

jQuery Misc

- [jQuery noConflict\(\)](#)

You will learn how to write your own code for

- *Photo gallery*
- *Animated Banners for website including navigation*
- *Dropdowns*
- *Tabs*
- *Accordions*
- *Collapsible panels*
- *Tool tips*
- *Graphs etc.*

Introduction to Angular.js

Wordpress / Joomla

Filezilla

Thanks and regards,

For Midas Multimedia

Authorized Signatory