



Web Design & Web Development Course Modules



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Defining HTML5

- History and overview
- New markup and elements (header, footer, nav elements)
- Form Elements
- Video and Audio tags
- Canvas Element
- Styling with CSS3
- Other aspects (Geolocation, Offline support, Web Forms)
- HTML5 Examples
- HTML5 and web browsers, the roadmap

HTML5 Markup

- Using the HTML5 Doctype and character encoding
- Using the <header> element
- Using the <nav> element
- Understanding the <article> element
- Working with <section> element
- Working with dates and caption
- Understanding the Role attribute

Understanding HTML4 & HTML5

- What is Markup Language
- Basic Structure of HTML
- Head Section and Elements
- Meta Tags
- External Link Tags
- HTML Structure Tags
- Create Table, Div and Frame Tag
- Content and Header Tags
- Paragraph, Span, Pre Tags
- Anchor Links and Named Anchors
- Object,iframe and Image Tag
- Implementing iFrame in Realtime
- Working with Forms
- Form Tag and Attributes

- POST and GET Method
- Text Input, TextArea, Checkbox and Radio
- Password Field
- Select Option, Option Group
- File Field and Hidden Fields
- Submit, Reset, Image Buttons
- Relation between HTML Form and PHP
- Creating a Live Website Form
- XHTML
- What is XHTML
- Difference between HTML & XHTML
- XHTML Basics
- Introduction to Doc Types
- XHTML Validation
- HTML5 (Latest Version)
- Introduction to HTML5
- Whats new in HTML5

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- Whats new in HTML5
- HTML5 Apis
- HTML5 Semanticg Ta
- New Structure
- HTML5 Multimedia
- Search, Email and Url Tel Input

Cascading Style Sheets (CSS2 & CSS3)

- Introduction to Cascading Style Sheets
- Types of Style Sheets
- Media Type
- Default CSS Properties
- Block Properties
- Box Model Properties
- List Properties
- Border Properties
- Positioning Properties
- Useful CSS Properties
- Properties useful in Realtime Designing
- Using CSS for Realtime Practical Works
- Block Properties
- Box Model Properties
- List Properties

- Positioning Properties
- Custom Form Designing
- Useful CSS Properties
- Properties useful in Realtime Designing
- Using CSS for Realtime Practical Works
- Defining the Text Styles
- Block Properties
- Box Model Properties
- List Properties
- Border Properties
- Positioning Properties
- Useful CSS Properties
- Properties useful in Realtime Designing
- Using CSS for Realtime Practical Works
- Defining the Text Styles
- Defining the Background Styles
- Designing a Menu Systems
- Horizontal, Vertical and Drop Down

- Border Properties
- DIV + CSS Layout Design
- PSD to CSS Conversion
- CSS Optimization Tips
- CSS Compression
- (CSS 3.0 - Latest Version)
- Introduction to CSS 3
- Basic CSS3 Selectors
- Advanced CSS3 Selectors
- New CSS3 Properties
- CSS Rounded Corners
- Border Image
- Box and Text Shadow
- Multiple Backgrounds
- Background Origin
- Background Resize
- CSS Clip, Gradients, Opacity
- Transitions & Transform

JAVASCRIPT

Introduction

- JavaScript Overview
- JavaScript Syntax
- Type of JavaScript
- Embedding Script In HTML File
- Variable

Operators

- Arithmetic
- Logical
- Comparison
- Assignment
- Conditional

Conditional Statement & Looping Statement

- If
- If. Else
- Switch
- While
- Do/while
- For

Function & Object

- Passing Parameter to function
- Returning a value from function
- Creating Object
- Accessing Object Properties &

Method

- Array Object
- String Object
- Date Object
- Math Object
- Window Object
- Navigator Object

Event Type

- Mouse Events
- Frame/Object Events
- Form Events

PHP

An Introduction to PHP

- History of PHP
- Versions and Differences between them
- Practicality
- Power
- Installation and configuring Apache and PHP

PHP Basics

Default Syntax

- Styles of PHP Tags
- Comments in PHP
- Output functions in PHP
- Datatypes in PHP
- Configuration Settings
- Error Types

Variables in PHP

- Variable Declarations
- PHP's Superglobal Variables
- Variable Variables
- Variable Scope

Constants in PHP

- Magic Constants
- Standard Pre-defined Constants
- Core Pre-defined Languages
- User-defined Constants

Control Structures

- Execution Control Statements
- Conditional Statements
- Looping Statements with Real-time Examples

Functions

- Creating Functions
- Passing Arguments by Value and Reference
- Recursive Functions

Arrays

- What is an Array?
- How to create an Array
- Traversing Arrays
- Array Functions

Include Functions

- Include, Include_once
- Require, Require_once

Regular Expressions

- Validating text boxes, emails, phone number, etc
- Creating custom regular expressions

Object-Oriented Programming in PHP

- Classes, Objects, Fields, Properties, _set(), Constants, Methods
- Encapsulation
- Inheritance and types
- Polymorphism
- Constructor and Destructor
- Static Class Members, Instance of Keyword, Helper Functions
- Object Cloning and Copy
- Reflections

PHP with MySQL

- What is MySQL
- Integration with MySQL
- MySQL functions
- Gmail Data Grid options
- SQL Injection
- Uploading and downloading images in Database
- Registration and Login forms with validations
- Paging, Sorting

Strings and Regular Expressions

- Declarations styles of String Variables
- Heredoc style
- String Functions
- Regular Expression Sntax(POSIX)
- PHP's Regular Expression Functions(POSIX Extended)

Working with the Files and Operating System

- File Functions
- Open, Create and Delete files
- Create Directories and Manipulate them
- Information about Hard Disk
- Directory Functions
- Calculating File, Directory and Disk Sizes

Error and Exception Handling

- Error Logging
- Configuration Directives
- PHP's Exception Class
- Throw New Exception

Date and Time Functions Authentication_n

- HTTP Authentication
- PHP Authentication
- Authentication Methodologies

Cookies

- Why Cookies
- Types of Cookies
- How to Create and Access Cookies

Sessions

- Session Variables
- Creating and Destroying a Session
- Retrieving and Setting the Session ID
- Encoding and Decoding Session Data
- Auto-Login
- Recently Viewed Document Index

MySQL Concepts

- Introduction
- Storage Engines
- Functions
- Operators
- Constraints
- DDL commands
- DML Commands
- DCL Command
- TCL Commands
- Views
- Joins
- Cursors
- Indexing
- Stored Procedures
- Mysql with PHP Programming

G D C A

Bootstrap

- Bootstrap Setup
- Benefits of Bootstrap
- Basics of Bootstrap Bootstrap
- Project Design Using Bootstrap
- Bootstrap Get
- Bootstrap Grid Basic
- Bootstrap Typography
- Bootstrap Jumbotron
- Bootstrap Wells
- Bootstrap Alert
- Bootstrap Button Groups
- Bootstrap Glyphicons
- Bootstrap Badges/Lable
- Bootstrap Progress
- Bootstrap Bar
- Bootstrap List Group
- Bootstrap Pagination
- Bootstrap Pages
- Bootstrap Panels
- Bootstrap Dropdowns
- Bootstrap Collapse
- Bootstrap Tabs/Pills
- Bootstrap Forms
- Bootstrap Input 2BS Input Sizeing
- Bootstrap Media Objects
- Bootstrap Carouse

ANGULARJS

- What is Angularjs
- History of Angularjs
- Sweet Spot of Angularjs
- Overview of library files
- How to Configure Angularjs Application
- How to Bootstrap the web apps by using ng-app
- How to extends html dom with additional attributes
- What is controller in Angularjs
- Uses of Controller
- How to call controller methods
- How to pass scope value to view
- How to review view data to the scope
- What is directive in Angularjs
- What are the lists of directives
- How to create a directive which wraps other elements
- What is filters in Angularjs
- How form work in Angularjs

BENEFITS

- It's one of the most sought after jobs
- It's a high paying job
- You can work independently (be your own boss) or with a team
- You can work from anywhere
- It brings out or improves your creativity (build own idea from nothing)
- It helps you become a better problem solver
- you can do freelancing projects.
- you can earn money in a short time.
- you can start your own training institute.

Why Choose GDCA?

- GDCA has excellent qualified trainers
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- 1005 Student Satisfaction Rate
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