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jQuery

(Project based training – Duration 30 hours)
Pre-requisite for this course: Knowledge of Html and CSS

1. Introduction to Javascript (for students new to Javascript)
 - a. Variables and functions
 - b. Events of Html elements
 - c. Accessing Html document
 - d. Getting and setting attributes
2. Introduction to JQuery
 - a. What is JQuery?
 - b. Versions of JQuery
 - c. JQuery core and UI libraries
 - d. JQuery themes, UI CSS
3. Accessing Html Elements
 - a. by id, class, attributes, etc. (single element)
 - b. accessing by element, class, etc. (multiple elements)
4. Animation
 - a. Changing css styles (i.e. height, width, font, color, background, etc) for single & multiple elements.
 - b. Applying effects: hide/show, toggle, slide up/down, fade in/out, etc.
 - c. Adding & removing css classes
5. Manipulating Html Element Contents
 - a. Getting values: val(), text(), html(), innerHTML, attr(), etc.
 - b. Setting values: val(), text(), html(), innerHTML, attr(), etc.
6. Data Types, Conversion, Constructs & Traversing
 - a. Understanding script objects, types, conversions & constructs as such: var, parse, array, list, each, if, for, while, find, case, etc.
 - b. Traversing: first, last, odd, even, closest, farthest, parent, child, siblings, etc.
 - c. Working with table.

7. Events

Working with events such as:

onclick, ondblclick, onchange, onblur, focus, onmouseover, onmouseout, etc.

8. Dynamic Html Elements

- a. Creating single/multiple dynamic html elements
- b. Creating dynamic html elements with id, attr, class & styles applied.
- c. Removing dynamically created elements
- d. Bind events to dynamically created elements.

9. Ajax With JQuery

- a. Working with http requests using ajax calls to server such as:
Get, Post, Put, Delete, Custom Methods (i.e. DeleteAll, Search, etc.)
- b. Working with Json
- c. Working with Xml

10. Working With JQuery Plugins

Using Widgets

- a. datepicker
- b. dialog
- c. autocomplete

11. Create Your Own Plugin

- a. helloworld.js
- b. myvalidate.js

12. Using 3rd Party Plugin

- a. jqGrid
- b. fancybox/slider

Project: Online Payment System

Note:

Front End: Html, JQuery, Ajax and any Server Side Technology (.NET / PHP).

Back End: Sql Server (if using .NET) and MySql (if using PHP).