

Savitribai Phule Pune University

Syllabus for B.B.A (CA) (CBCS 2019 Pattern) Semester IV

Subject Code: - 407

Subject Name -: jQuery

Total Contact Hours: -30

Total Credits: - 2

Prerequisite: HTML, CSS, JavaScript

Objectives:

- To get hands-on experience on JavaScript and jQuery.
- To learn how to work with binding events to the controls in JavaScript.
- To learn how to download jQuery library and refer it to the Html page.
- To learn the importance of `$(document).ready(function(){ });`
- To learn selecting the Html elements by name, attribute name, id or by content.
- To Learn Traversing of Html elements.
- To learn handling different events for different Controls.
- To learn how to provide effects to the elements or sections in the Html page.
- To learn manipulating elements by adding CSS classes dynamically, by inserting Elements.

Credit Distribution: - 1 credit for theory (15 Lectures) and 1 credit for Practical.

Syllabus

Unit No	Contents	Lectures
1.	Introduction 1.1 jQuery Introduction 1.2 Install and Use jQuery Library 1.3 Un-Obstructive JavaScript 1.4 First jQuery Example 1.5 jQuery Syntax 1.6 How to escape a special characters 1.7 Basic Selectors 1.8 Traversal Functions	5
2.	HTML Manipulation 2.1 Getting Setting values from elements 2.2 Handling attributes 2.3 Inserting New elements 2.4 Deleting/Removing elements 2.5 CSS manipulations 2.6 Dimensions 2.7 Positioning	5
3.	Effects and Events Effects: 3.1 Showing/Hiding elements 3.2 Sliding elements	5

	<p>3.3 Fading elements 3.4 Deleting animation elements 3.5 Custom animation</p> <p>Events:</p> <p>3.6 Working with events.</p>	
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References:

1. jQuery pocket reference by David Flanagan
2. Learning jQuery by Jonathan Chaffer
3. JavaScript and jQuery by David Sawyer McFarland
4. w3schools.com website.

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Practical Assignments:

1. Write a jQuery code to check whether jQuery is loaded or not.
2. Write a jQuery code to scroll web page from top to bottom and vice versa.
3. Write a jQuery code to disable right click menu in html page.
4. Write a jQuery code to disable the submit button until the visitor has clicked a check box.
5. Write a jQuery code to fix broken images automatically.
6. Write a jQuery code to blink text continuously.
7. Write a jQuery code to create a zebra stripes table effect.
8. Write a jQuery code to print a page.
9. Write a jQuery code to allow the user to enter only 15 characters into the textbox.
10. Write a jQuery code to make first word of each statement to bold.
11. Write a jQuery code to create a division (div tag) using jQuery with style tag.
12. Write a jQuery code to select values from a JSON object.
13. Write a jQuery code to add list elements within an unordered list element.
14. Write a jQuery code to remove all the options of a select box and then add one option and select it.
15. Write a jQuery code to underline all the words of a text.
16. Write a jQuery code to demonstrate how to get the value of a textbox.
17. Write a jQuery code to remove all CSS classes from an application.
18. Write a jQuery code to distinguish between left and right mouse click.
19. Write a jQuery code to check if an object is a jQuery object or not.
20. Write a jQuery code to detect whether the user has pressed 'Enter key' or not.
21. Write a jQuery code to count number of rows and columns in a table.
22. Write a jQuery code to display form data onto the browser.
23. Write a jQuery code to find absolute position of an element.
24. Write a jQuery code to remove a specific value from an array.
25. Write a jQuery code to change button text.
26. Write a jQuery code to add options to a drop-down list.
27. Write a jQuery code to set background-image to the page.
28. Write a jQuery code to get the selected value and currently selected text of a dropdown box.
29. Write a jQuery code to disable a link.
30. Write a jQuery code to Restrict "number"-only input for textboxes including decimal points.
31. Write a jQuery code to set value in input text.