**Module 5 Assignment**

JQuery Basic, Effects & Advanced

**Q1. What is JQuery ?**

Ans. jQuery is a lightweight, "write less, do more", JavaScript library.

The purpose of jQuery is to make it much easier to use JavaScript on your website.

jQuery takes a lot of common tasks that require many lines of JavaScript code to accomplish, and wraps them into methods that you can call with a single line of code.

jQuery also simplifies a lot of the complicated things from JavaScript, like AJAX calls and DOM manipulation.

The jQuery library contains the following features:

* HTML/DOM manipulation
* CSS manipulation
* HTML event methods
* Effects and animations
* AJAX
* Utilities

There’s cdn link to run Jquery program following below :-

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.7.1/jquery.min.js"></script>s

**Q2. How to Apply CSS Using JQuery, How to Add Class and Remove Class in Jquery, JQuery Animation?**

Ans. You can apply CSS styles to elements using jQuery with the .css() method. This method allows you to set one or more CSS properties for the selected elements.

Example :-

<style>

$('p').css({ 'color': 'blue', 'font-size': '18px', 'background-color': 'yellow' });

</style>

<body>

<p>

Lorem isumnsf nsgnneefl kndfkpo dsfoiohkhewf ieefjkjbnsdfhjijbbfkjbohf iewfohjbfbwefb.

</p>

</body>

jQuery provides .addClass(), .removeClass(), and .toggleClass() methods to add, remove, or toggle CSS classes.

Example :-

<style>

$('p').addClass('highlight');

$('p').removeClass('highlight');

$('p').toggleClass('highlight');

</style>

<body>

<p>

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</p>

</body>

jQuery provides several methods for animating elements, such as .animate(), .fadeIn(), .fadeOut(), .slideDown(), .slideUp(), and .slideToggle().

Example :-

<style>

$('div').animate({ width: '300px', height: '300px', opacity: 0.5 }, 1000);

$('p').fadeOut(1000);

$('p').fadeIn(1000);

$('p').slideUp(1000);

$('p').slideDown(1000);

$('p').slideToggle(1000);

</style>

<body>

<div>

<p>

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</p>

</div>

</body>

**Q3. How to create slider with animation?**

Ans. <!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

    <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.7.1/jquery.min.js"></script>

    <style>

        .main{

            height: 200px;

            width: 200px;

            background-color: lightcoral;

            border: 2px solid;

            position: absolute;

            margin-top: 50px;

        }

    </style>

</head>

<body>

    <div class="main">

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    </div>

    <button class="btn">click</button>

    <script>

        $(document).ready(function(){

            $(".btn").click(function(){

                $(".main").animate({

                    width:'300px',

                    opacity:'0.5',

                    fontSize:"30px",

                    left:"250px"

                },1000)

                $(".main").animate({

                       height:'300px'

                },1000)

                $(".main").animate({

                    width:'200px',

                },1000)

                $(".main").animate({

                    height:'200px',

                },1000)

            })

$(".btn").click(function(){

                $(".main").slideToggle(1000)

            })

        })

    </script>

</body>

</html>

< The end >