**Frontend Assignment**

**Web Designing**

**MODULE: 5 (JQuery Basic, Effects & Advance)**

**What is JQuery?**

**ANS.**  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 means "write less do more". jQuery simplifies AJAX call and DOM manipulation.

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

**ANS.**

The css() method sets or returns one or more style properties for the selected elements.

**Example**:

$(document).ready(function(){

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

$("p").**css**({"background-color": "yellow", "font-size": "200%"});

});

});

jQuery provides several methods, such as addClass(), removeClass(), toggleClass(), etc. to manipulate the CSS classes assigned to HTML elements.

Example:

We have :

<ul class="menu">

<li><span>Three</span></li>

<li><span>Two</span></li>

<li><span>One</span></li>

</ul>

And through jQuery:

<script>

$('.menu li').on('click', function(){

$(this).addClass('active').siblings().removeClass('active');

});

</script>

With jQuery, you can create custom animations. The jQuery animate() method is used to create custom animations.

**Example:**

<button>Start Animation</button>

And we have jQuery code as follow:

<script>

$(document).ready(function(){

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

$("div").animate({left: '250px'});

});

});

</script>

**How to create slider with animation?**

**ANS.**  Slider code on GitHub, click the link:

<https://github.com/Chigs18/Assignment/blob/main/animation_slider.html>