WEB DESIGNING ASSIGNMENT

Module(JQuery Basic, Effects & Advanced)-5

1. What is jQuery?
- The purpose of jQuery is to make it much easier to use JavaScript on your website.
- jQuery is a lightweight, "write less, do more", JavaScript library.
- 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 method
  - Effects and Animations
  - AJAX
  - Utilities

2. How to apply CSS using jQuery, How to add class and remove class in jQuery, jQuery animation?
- **Apply CSS:**

```
-   <!DOCTYPE html>
-   <html lang="en">
-
-   <head>
-       <meta charset="UTF-8">
-       <meta http-equiv="X-UA-Compatible" content="IE=edge">
-       <meta name="viewport" content="width=device-width, initial-
    scale=1.0">
-       <title>Document</title>
```

```
-          <script
   src="https://cdnjs.cloudflare.com/ajax/libs/jquery/3.6.1/jquery.min.js"
   ></script>
-          <script>
-              $(document).ready(function () {
-                  $("#btn1").click(function () {
-                      $("h1").css("background-color", "pink");
-                      // $("h1").css("font - family", "Monotype Corsiva");
-                  });
-              });
-          </script>
-      </head>
-
-
-      <body>
-          <button id="btn1">CSS Function</button>
-          <hr>
-          <h1>Hello World</h1>
-
-      </body>
-
-      </html>
```

- **Add Class:**
    - We will look at four jquery methods that are used to add new content:
        - **append()** : Inserts content at the and of the selected element.
        - **prepend()** : Inserts Content at the beginning of the selected elements.
        - **after()** : Inserts content after the selected elements.
        - **before()** : Inserts content before the selected elements.
    - **Example:**

```
❖ <!DOCTYPE html>
❖ <html lang="en">
❖
❖ <head>
❖     <meta charset="UTF-8">
❖     <meta http-equiv="X-UA-Compatible" content="IE=edge">
❖     <meta name="viewport" content="width=device-width, initial-scale=1.0">
❖     <title>Document</title>
❖     <script
   src="https://cdnjs.cloudflare.com/ajax/libs/jquery/3.6.1/jquery.min.js"></s
   cript>
```

```html
        <script>

            $(document).ready(function () {
                // append()
                $("#btn_append").click(function () {
                    $("h3").append("<span>!!!!</span>");
                });

                // prepend()
                $("#btn_prepend").click(function () {
                    $("h2").prepend("<span>@@@</span>");
                });

                // before()
                // $("#btn_before").click(function () {
                //     $("#img1").before("<span>@@</span>");
                // });

                // after()
                $("#btn_after").click(function () {
                    $("#img2").after("<span>!!!</span>");
                });

                // before()--add content with image through
                $("#btn_before").click(function () {
                    $("#img1").before("<img src='images/image2.jpeg'
    height='250px' width='250px'>");
                });
            });

        </script>
        <style>
            img {
                height: 200px;
                width: 200px;
            }
        </style>
    </head>

    <body>
        <button id="btn_append">Append</button>
        <button id="btn_prepend">Prepend</button>
        <button id="btn_before">Before</button>
        <button id="btn_after">After</button>
        <hr>
        <h3>Hello User</h3>
        <hr>
        <h2>Hello World</h2>
```

```
        <hr>
        <img src="images/image1.jpeg" alt="" id="img1">
        <hr>
        <img src="images/image2.jpeg" alt="" id="img2">

</body>

</html>
```

- **Remove Class:**
    - To remove elements and content, there are mainly two jquery methods:
        - **Remove()** : Removes the selected element(and its child elements).
        - **Empty()** : Removes the child elements from the selected elements.
    - **Example:**

```
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
    <script
src="https://cdnjs.cloudflare.com/ajax/libs/jquery/3.6.1/jquery.min.js"></s
cript>

</head>
<style>
    #div1 {
        background-color: pink;
        border: 2px solid maroon;
        height: 200px;
        width: 200px;
        padding: 20px;
    }
</style>

<script>
    $(document).ready(function () {
        $("#btnremove").click(function () {
            $("#div1").remove();
```

```
    });
        $("#btnempty").click(function () {
            $("#div1").empty();
        });
    });
</script>

<body>
    <!-- remove() used to remove entire division -->
    <button id="btnremove">Remove</button>
    <!-- empty() used to remove only content of division -->
    <button id="btnempty">Empty</button>
    <hr>
    <div id="div1">Lorem ipsum, dolor sit amet consectetur adipisicing
elit. Expedita, sed. Quae, vero? Quod totam
        consectetur
        quisquam corporis, magnam doloribus, enim placeat necessitatibus
nisi incidunt provident tempora eos ad esse
        quia.</div>
</body>

</html>
```

3. How to create slider with animation?
- Code:

```
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-
scale=1.0">
    <title>Document</title>
    <!-- jquery cdn -->
    <script
src="https://cdnjs.cloudflare.com/ajax/libs/jquery/3.6.1/jquery.min.js"
></script>
    <!-- CSS cdn -->
    <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/bxslider/4.2.15/jquery.bxs
lider.css" />
    <!-- js cdn -->
    <script
src="https://cdnjs.cloudflare.com/ajax/libs/bxslider/4.2.15/jquery.bxsl
ider.min.js"></script>
```

```
<script>
    $(document).ready(function () {

        $('.bxslider').bxSlider({
            auto: true,
            autoControls: false,
            stopAutoOnClick: true,
            // autoplayTimeout: 1000,
            pager: true,
            slideWidth: 600,
            // mode: fade,
        });
    });
</script>
<style>
    img {
        height: 500px;
        width: 100%;
    }
</style>
</head>

<body>
    <div class="bxslider">
        <div>
            <img src="images/image1.jpeg" alt="">
        </div>
        <div>
            <img src="images/image2.jpeg" alt="">
        </div>
        <div>
            <img src="images/image3.webp" alt="">
        </div>
        <div>
            <img src="images/image4.jpeg" alt="">
        </div>
        <div>
            <img src="images/image5.jpeg" alt="">
        </div>
    </div>
</body>

</html>
```