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CSEDS SE2 39

MDM Experiment 4

Title:

Develop a dynamic webpage where content updates on button click using JavaScript DOM. Implement jQuery effects: hide/show elements, toggle visibility, and animate elements.

Program:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Dynamic Webpage</title>

    <script src = "https://code.jquery.com/jquery-3.7.0.min.js"></script>

    <style>
        body{
            font-family: Arial, sans-serif;
            text-align: center;
            margin-top: 50px;
        }
```

```
    #box{
        width: 200px;
        height: 100px;
        background-color: lightblue;
        margin: 20px auto;
        padding: 20px;
        font-size: 18px;
        opacity: 1;
    }

    button{
        margin: 5px;
        padding: 10px 15px;
        font-size: 14px;
        cursor: pointer;
    }
    </style>
</head>
<body>
    <h2>Dynamic Webpage using JS DOM & JQuery</h2>

    <div id = "box">Hello</div>

    <button onclick = "ChangeText()">Change Text</button>
    <button id = "hidebtn">Hide</button>
```

```html
<button id = "showbtn">Show</button>
<button id = "togglebtn">Toggle</button>
<button id = "animatebtn">Animate</button>

<script>
    function ChangeText() {
        document.getElementById("box").innerHTML = "Text Changed Using JavaScript DOM!";
    }

    let animated = false;

    $(document).ready(function() {
        $("#hidebtn").click(function () {
            $("#box").stop(true, true).hide(500);
        });

        $("#showbtn").click(function() {
            $("#box").stop(true, true).show(500);
        });

        $("#togglebtn").click(function () {
            $("#box").stop(true, true).toggle(500);
        });

        $("#animatebtn").click(function() {
            $("#box").stop(true, true);
```

```
        if(!animated) {
            $("#box").animate({
                width:"300px",
                height: "150px",
                opacity: 0.6
            }, 800);
            animated = true;
        }
        else {
            $("#box").animate({
                width: "200px",
                height: "100px",
                opacity: 1
            }, 800);
            animated = false;
        }
    })
});
    </script>
</body>
</html>
```

Dynamic Webpage using JS DOM & JQuery

| Change Text | Hide | Show | Toggle | Animate |

Dynamic Webpage using JS DOM & JQuery

Text Changed Using JavaScript DOM!

| Change Text | Hide | Show | Toggle | Animate |