

# Full Stack Application Development with Cloud Computing

Module 2 – Front-End Development Tools, Technologies and Frameworks

## <u>Lab - 5</u>

## **Unit 3 - JavaScript and DOM Manipulation**

### **Topic: JQuery Event & Effect**

Ex. 1: Create a simple HTML page that demonstrates the usage of jQuery events and effects. Include three square div elements with the class "box." When a user clicks on a box, it should disappear with a fade-out effect. Utilize jQuery to select the elements, handle the click event, and apply the fade effect.

```
<!DOCTYPE html>
<html>
<head>
  <title>jQuery Event & Effect Example</title>
  <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>
  <style>
    /* Styling for the boxes */
     .box {
       width: 100px;
       height: 100px;
       background-color: #3400db;
       margin: 20px;
       display: inline-block;
    }
  </style>
</head>
<body>
```



```
<div>
    <h2>jQuery Event & Effect Example</h2>
     Click on a box to hide it with a fade effect.
     <div class="box"></div>
     <div class="box"></div>
    <div class="box"></div>
  </div>
  <script>
    $(document).ready(function() {
       // Select all elements with the class "box" using jQuery
       var boxes = \$(".box");
       // Add a click event handler with a fade-out effect
       boxes.click(function() {
          $(this).fadeOut();
       });
    });
  </script>
</body>
</html>
```

#### **Output:**

## jQuery Event & Effect Example

Click on a box to hide it with a fade effect.



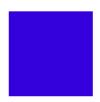






## jQuery Event & Effect Example

Click on a box to hide it with a fade effect.



#### **Practice Question**

Ex. 2: Design a webpage's interactivity using jQuery events and effects. Design a simple HTML page with the following elements and functionalities:

- Toggle Display: Create a button element labeled "Toggle Text" and a div element below it. When the button is clicked, toggle the visibility of the div's text content using a fade effect. The text content should smoothly fade in or fade out.
- Hover Effect: Include an image element in the form of a thumbnail (e.g., a small image). When a user hovers their mouse over the thumbnail, the image should smoothly transition to a larger size.
   When the user moves the mouse away, the image should smoothly transition back to its original size.
- Click Event with Animation: Add a set of three paragraph elements.
   When a user clicks on a paragraph, it should expand in height to reveal more content. Clicking again should collapse the paragraph back to its original height.