

# Full Stack Application Development with Cloud Computing

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

### Lab - 5

### 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>
  <p>Click on a box to hide it with a fade effect.</p>
  <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.