Full Stack Development

JQuery Assignment

Name: **Anuvind M P**
Roll no. : **AM.EN.U4AIE22010**

1. **Select and manipulate DOM elements using jQuery.**

(a) Write jQuery code to change the text of all <h1> elements to **"Welcome to jQuery"**.

(b) Change the background color of all <p> elements with class highlight to yellow.

(c) Hide all <div> elements with the ID hidden-box.

(d) Show all elements with the class show-me using the .show() method.

```javascript
// (a)

$("h1").text("Welcome to jQuery");



// (b)

$("p.highlight").css("background-color", "yellow");



// (c)

$("#hidden-box").hide();



// (d)

$(".show-me").show();
```

2. **Apply jQuery event handling and effects.**

(a) Write a function to hide a paragraph when a button with ID hideBtn is clicked.

(b) Add a fade-out effect on an image when the mouse is hovered over it.

(c) Make a button that toggles the visibility of a <div> element using .toggle().

(d) When a checkbox is checked, display a message You selected this option.

```javascript
// (a)

$("#hideBtn").click(function() {

  $("p").hide();

});


// (b)

$("img").hover(function() {

  $(this).fadeOut();

});


// (c)

$("#toggleBtn").click(function() {

  $("#toggleDiv").toggle();

});


// (d)

$("input[type='checkbox']").change(function() {

  if (this.checked) {

    $("#message").text("You selected this option").show();

  } else {

    $("#message").hide();

  }

});
```

3. **Handle form inputs using jQuery.**

(a) On clicking a submit button, alert the value entered in a text box with ID username.

(b) Display the selected option from a dropdown list in a paragraph below the form.

(c) If the entered text in a password field is less than 6 characters, display a warning message in red.

(d) Clear all form fields when the Reset button is clicked.

```javascript
// (a)

$("#submitBtn").click(function() {

  alert($("#username").val());

});


// (b)

$("#dropdown").change(function() {

  var selected = $(this).val();

   $("#selectedOption").text("You selected: " + selected);

});


// (c)

$("#password").on("input", function() {

  var pwd = $(this).val();

  if (pwd.length < 6) {

    $("#pwdWarning").text("Password too short").css("color", "red");

  } else {

    $("#pwdWarning").text("");

  }

});


// (d)
```

```
$("#resetBtn").click(function() {

  $("form")[0].reset();

  $("#pwdWarning, #selectedOption, #message").text("");

});
```

4. Use jQuery animations and method chaining.

(a) Animate a box to move right 100px when a button is clicked.

(b) Chain methods to slide up a div, then change its background to blue.

(c) Make a panel expand/collapse using .slideToggle().

(d) Create a notification box that fades in, stays for 3 seconds, then fades out.

```
// (a)
$("#moveBtn").click(function() {
  $("#box").animate({ left: "+=100px" });
});

// (b)
$("#chainBtn").click(function() {
  $("#chainDiv").slideUp().css("background-color", "blue");
});

// (c)
$("#togglePanelBtn").click(function() {
  $("#panel").slideToggle();
});

// (d)
$("#notifyBtn").click(function() {
  $("#notification").fadeIn().delay(3000).fadeOut();
});
```