

jQuery

Week 8 Session2

Contents of This session

- ▶ JQuery
 - ▶ Effect(continue)
 - ▶ HTML
 - ▶ CSS

jQuery Effects - Slide

- ▶ Slide Down effect

`$(selector).slideDown(speed,callback);`

- ▶ Slide Up effect

`$(selector).slideUp(speed,callback);`

- ▶ Slide Toggle effect

`$(selector).slideToggle(speed,callback);`

jQuery Effects - Animation

- ▶ Syntax

```
$(selector).animate({params},speed,callback);
```

- ▶ The *params* parameter defines the CSS properties to be animated.

- ▶ Example

```
$("#button").click(function(){  
    $("#div").animate({left: '250px'});  
});
```

jQuery Effects -Callback function

- ▶ A callback function is executed after the current effect is 100% finished

```
$("#button").click(function(){  
    $("#p").hide("slow", function(){  
        alert("The paragraph is now hidden");  
    });  
});
```

This function is called
when hide function is
completed

jQuery Method chaining

- ▶ Allows us to run multiple jQuery commands, one after the other, on the same element(s)
- ▶ The following example chains together the `css()`, `slideUp()`, and `slideDown()` methods. The "p1" element first changes to red, then it slides up, and then it slides down

```
$("#p1").css("color", "red")  
.slideUp(2000)  
.slideDown(2000);
```

jQuery HTML

- ▶ jQuery contains powerful methods for changing and manipulating HTML elements and attributes.
- ▶ Simple jQuery methods for DOM manipulation are:

Method	Description
text()	Sets or returns the text content of selected elements
html()	Sets or returns the content of selected elements (including HTML markup)
val()	Sets or returns the value of form fields
attr()	Sets or returns the attribute values

jQuery HTML

► Example

```
$("#btn1").click(function(){  
    alert("Text: " + $("#test").text());  
});
```

Return only a text

```
$("#btn2").click(function(){  
    alert("HTML: " + $("#test").html());  
});
```

Return only a text and Markup

jQuery HTML -Add/remove Element

- Methods that are used to add/remove a content/element:

Method	Description
append()	Inserts content at the end of the selected
prepend()	Inserts content at the beginning of the selected elements
after()	Inserts content after the selected elements
before()	Inserts content before the selected elements
remove()	Removes the selected element (and its child elements)
empty()	Removes the child elements from the selected element

jQuery HTML -Add/remove Element

► Example

```
$("p").append("Some appended text.");
```

```
$("p").prepend("Some prepended text.");
```

```
$("#div1").remove();
```

```
$("#div1").empty();
```

jQuery CSS

- methods for CSS manipulation. We will look at the following methods:

Method	Description
addClass()	Adds one or more classes to the selected elements
removeClass()	Removes one or more classes from the selected elements
toggleClass()	Toggles between adding/removing classes from the selected elements
css()	Sets or returns the style attribute

jQuery CSS - CSS() method

- ▶ Return a CSS Property, use the following syntax:

`css("propertyname");`

- ▶ To set a specified CSS property, use the following syntax:

`css("propertyname","value");`

- ▶ To set multiple CSS properties, use the following syntax:

`css({"propertyname":"value","propertyname":"value",...});`

jQuery CSS - CSS() method

► Example

```
$("#button").click(function(){  
    alert("Background color = " + $("#p").css("background-  
color"));  
});
```

Get CSS property

```
$("#button").click(function(){  
    $("#p").css("background-color", "yellow");  
});
```

Set CSS property

Exercise

- ▶ Exercise - jQuery 1 continued

End of The Session 2

Week 8