

## **Day 12 - jQuery Events**

# Events

HTML events are "**things**" that happen to HTML elements.

When JavaScript is used in HTML pages, JavaScript can "**react**" on these events.

<http://learn.jquery.com/events/handling-events/>

# Wait until everything i loaded up

```
$(document).ready(function() {  
    $('div').fadeOut(1000);  
});
```

# Events

- click
- mouseover
- mouseleave
- keypress
- focus
- blur
- dblclick

# Events

Let's build a simple comment form to see all events action

# Events

```
$('#target').on('click', function() {  
    // do something  
});
```

```
$('#target').click(function() {  
    // do something  
});
```

callback dieksekusi ketika event terjadi

# Remove & Add Class

```
$ ('p').removeClass ('active');  
$ ('p1').addClass ('active');
```

# Exercise

1. Create an HTML document with at least 5 paragraphs
2. Give each paragraph a unique id attribute
3. Create a div#output at the top of the page
4. Create a click handler that shows the id attribute of the last paragraph that was clicked on in the div#output
5. Change the color and background-color of a clicked-on p to make it stand out
6. When you click on another p, clear the special styling of any perviously clicked-on p



# Get value of an input

```
$('input').val()
```

# Events Keypress

```
$('input#type').on('keypress', function (e)
{
    console.log(e.keyCode)
})
```

**<http://keycode.info/>**

**more info -> <https://css-tricks.com/snippets/javascript/javascript-keycodes/>**

# Exercise

```
var convertToHexCode = function(str) {  
    var chars = str.split('');  
    var code = 0;  
  
    chars.forEach(function(char) {  
        code += +char.charCodeAt(0) * 987654;  
    });  
  
    return code.toString(16).substr(0, 6);  
};
```

# Exercise

Append a <p> element with a text message when an <input> field is changed. Go to the editor

Sample Data :

```
<form name='demo_form'>
  First name: <input type="text" name="fname"><br>
  Last name: <input type="text" name="lname"><br>
  <button type="button" id='btnSubmit'
    name="button">Submit</button>
</form>
```

# Exercise

Hide all headings on a page when they are clicked.:

```
<h1>Heading-1</h1>
```

```
<h2>Heading-2</h2>
```

```
<h3>Heading-3</h3>
```

# Exercise

Double click on paragraph to toggle background color. Go to the editor  
Sample Data :

HTML Code:

```
<p>Double-click here to change the background color.</p>
```

toggleClass

CSS Code:

```
p {  
    background: blue;  
    color: white;  
}  
p.dbl {  
    background: yellow;  
    color: black;  
}
```

# Inside Event Handler Function

```
$( "a" ).click(function( event ) {  
    var elem = $( this );  
    elem.addClass( "evil" );  
});
```

# Event Bubbling / Event Propagation.

```
// Attach a delegated event handler
$( "#list" ).on( "click", "a", function( event ) {
    event.preventDefault();
    console.log( $( this ).text() );
});
```



# Triggering Event Handlers

```
// Triggering an event handler the right way
var foo = function( event ) {
    if ( event ) {
        console.log( event );
    } else {
        console.log( "this didn't come from an event!" );
    }
};

$( "p" ).on( "click", foo );

foo(); // instead of $( "p" ).trigger( "click" )
```

# Exercise

1. Add comments list section
2. When visitor add comment from form, it should show latest comment on the page