

Forms }

Client Side Web Development

Forms

- { Form Element
- { Input Type
- { Events
- { Targeting Values
- { Basic Form Example

Form Element



Forms

A method for allowing users to interact with data on the web.

Forms can be found

- { Google
- { Gmail
- { Facebook
- { Bank login
- { Amazon
- { LastFM

Form Element

```
<form>
```

```
</form>
```

Form Element

```
<form>
```

```
<!-- form info goes here -->
```

```
</form>
```

Form Element

```
<form action="mail.php" method="get">  
  <!-- form info goes here -->  
</form>
```

Form Element

```
<form action="mail.php" method="get">  
  <!-- form info goes here -->  
</form>
```

**This tells the form
what to do.**

Form Element

```
<form action="mail.php" method="get">  
  <!-- form info goes here -->  
</form>
```

**This is how to send
the information.**

Form Element

```
<form action="mail.php" method="get">  
  <!-- form info goes here -->  
</form>
```

**You can set it:
get - in the URL
post - in the bg**

Form Element

```
<form action="mail.php" method="get">  
  <!-- form info goes here -->  
</form>
```

Action and method are not always required. Events can be used for form interaction.

Input Type



Input Type

Various buttons, checkboxes, and input fields used to interact with data.

Example of Input

```
<form>  
<input type="text" />  
</form>
```

Example of Input

```
<form>  
<input type="text" />  
</form>
```

**Set the type of
input for the form.
Now a text field.**

Example of Input

```
<form>  
<input type="button" />  
</form>
```

Now it's a button.

Input Types

—{ button

—{ submit

—{ reset

—{ image

—{ text

—{ password

—{ radio

—{ checkbox

—{ hidden

—{ file

Input Types

—{ button

—{ submit

—{ reset

—{ image

—{ text

—{ password

—{ radio

—{ checkbox

Other types.



More elements that
interact with forms.

Other Form Elements

—{ textarea

—{ label

—{ fieldset

—{ legend

—{ select

—{ optgroup

—{ option

—{ button

http://www.w3schools.com/html/html_forms.asp

Other Form Elements

{ textarea

{ label

{ fieldset

{ legend

{ select

{ optgroup

{ option

{ button

Each element has its own unique set of rules. Be sure to review the rules via the link below.

http://www.w3schools.com/html/html_forms.asp

Events



Events

An action that takes place. It can be user driven or occur during runtime. For example a mouse over is an event.

Events

```
<form id="survey">
```

```
</form>
```

Events

```
<form id="survey">
```

```
</form>
```

**Use the id attribute
to for communication
with javascript.**

Events

```
<form id="survey">
```

```
</form>
```

```
~~~~~ in js file
```

```
onload = init;
```

```
function init(){
```

```
survey = document.getElementById( 'survey' )
```

```
survey.onsubmit = function () {alert( 'hi' ) }  
}
```

Events

```
<form id="survey">  
</form>
```

~~~~~ in js file

```
onload = init;
```

```
function init(){
```

```
  survey = document.getElementById( 'survey' )
```

```
  survey.onsubmit = function () {alert( 'hi' ) }  
}
```

**Direct communication  
to the form.**

# Events

```
<form id="survey">  
</form>
```

~~~~~ in js file

```
onload = init;
```

```
function init(){
```

```
survey = document.getElementById( 'survey' )
```

```
survey.onsubmit = function () {alert( 'hi' ) }  
}
```

**Registering the
onsubmit event to...**

Events

```
<form id="survey">  
</form>
```

~~~~~ in js file

```
onload = init;
```

```
function init(){
```

```
survey = document.getElementById( 'survey' )
```

```
survey.onsubmit = function () {alert( 'hi' ) }  
}
```

**... alert when the  
form has been  
submitted.**

# Events

—{ onclick

—{ onkeydown

—{ onkeypress

—{ onkeyup

—{ onreset

—{ onsubmit

—{ ondblclick

—{ onmousedown

—{ onmouseover

—{ onmouseout

—{ onmouseup

# Events

—{ onclick

—{ onkeydown

—{ onkeypress

—{ onkeyup

—{ onreset

—{ onsubmit

—{ ondblclick

—{ onmousedown

**Take some time and  
experiment with  
each event.**

# Events

—{ onclick

—{ onkeydown

—{ onkeypress

—{ onkeyup

—{ onreset

—{ onsubmit

—{ ondblclick

—{ onmousedown

**Remember many of these events can be used with other HTML elements.**

# Targeting Values



# Targeting Values

Targeting is a way of talking to a form element. You can view or change the value of the element.

# Example of Input

```
<form>
```

```
<input type="text" id="username" />
```

```
</form>
```

# Example of Input

```
<form>  
<input type="text" id="username" />  
</form>
```

**In order to target  
this input field you  
must give it an id.**

# Example of Input

```
<form>  
<input type="text" id="username" />  
</form>
```

**Using Javascript we  
can target the value  
of the field.**

# Example of Input

```
<form>  
<input type="text" id="username" />  
</form>
```

```
~~~~~.js file
```

```
onload = init
function init()

var user=document.getElementById('username')

alert(user.value);

}
```

# Example of Input

```
<form>
<input type="text" id="username" />
</form>
```

**username is used to target the form with javascript.**

```
var user=document.getElementById('username')
alert(user.value);
}
```



# Basic Form Example

# form.html

```
<form id="myForm">
<label for="userName">User Name</label>
<input type='text' id='user' />
<input type='button' value="go" id="go" />
</form>
```

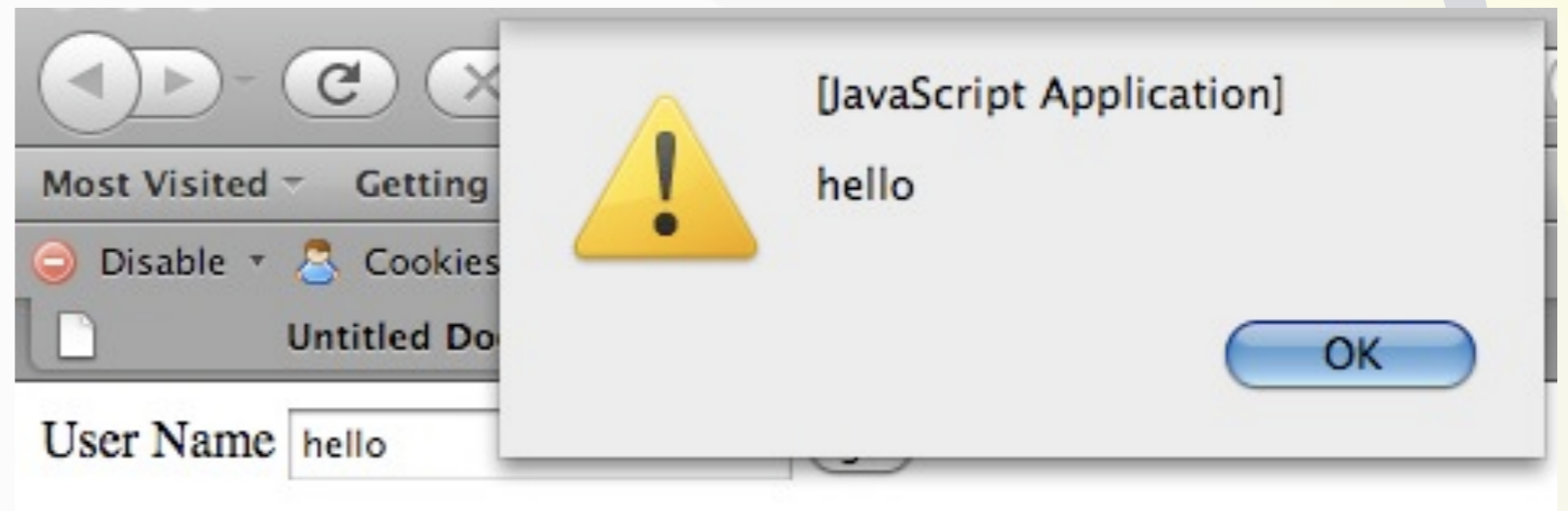
User Name

go

# script.js

```
onload = init
function init(){
document.getElementById('go').onclick=go;
}

function go(){
var user=document.getElementById('user')
alert(user.value);
}
```



# Forms: Summary

- { Form Element
- { Input Type
- { Events
- { Targeting Values
- { Basic Form Example