

```
<!--  
  
form1.html  
  
A form without client-side validation.  
  
David J. Malan  
Computer Science E-75  
Harvard Extension School  
  
-->  
  
<!DOCTYPE html PUBLIC  
    "-//W3C//DTD XHTML 1.0 Transitional//EN"  
    "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">  
  
<html xmlns="http://www.w3.org/1999/xhtml">  
  <head>  
    <title></title>  
  </head>  
  <body>  
    <form action="process.php" method="get">  
      Email: <input name="email" type="text" />  
      <br />  
      Password: <input name="password1" type="password" />  
      <br />  
      Password (again): <input name="password2" type="password" />  
      <br />  
      I agree to the terms and conditions: <input name="agreement" type="checkbox" />  
      <br /><br />  
      <input type="submit" value="Submit" />  
    </form>  
  </body>  
</html>
```

```
<!--
```

```
form2.html
```

```
A form with client-side validation.
```

```
David J. Malan  
Computer Science E-75  
Harvard Extension School
```

```
-->
```

```
<!DOCTYPE html PUBLIC  
    "-//W3C//DTD XHTML 1.0 Transitional//EN"  
    "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
```

```
<html xmlns="http://www.w3.org/1999/xhtml">  
  <head>  
    <script type="text/javascript">  
      // <br/><br/>        function validate()<br/>        {<br/>          if (document.forms.registration.email.value == "")<br/>          {<br/>            alert("You must provide an email address.");<br/>            return false;<br/>          }<br/>          else if (document.forms.registration.password1.value == "")<br/>          {<br/>            alert("You must provide a password.");<br/>            return false;<br/>          }<br/>          else if (document.forms.registration.password1.value != document.forms.registration.password2.value)<br/>          {<br/>            alert("You must provide the same password twice.");<br/>            return false;<br/>          }<br/>          else if (!document.forms.registration.agreement.checked)<br/>          {<br/>            alert("You must agree to our terms and conditions.");<br/>            return false;<br/>          }<br/>          return true;<br/>        }<br/><br/>      // ]]&gt;</pre></div>
```

```
</script>
<title></title>
</head>
<body>
  <form action="process.php" method="get" name="registration" onsubmit="return validate();">
    Email: <input name="email" type="text" />
    <br />
    Password: <input name="password1" type="password" />
    <br />
    Password (again): <input name="password2" type="password" />
    <br />
    I agree to the terms and conditions: <input name="agreement" type="checkbox" />
    <br /><br />
    <input type="submit" value="Submit" />
  </form>
</body>
</html>
```

<!--

form3.html

A form with client-side validation demonstrating "with" keyword.

David J. Malan
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-->

```
<!DOCTYPE html PUBLIC
"-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">
  <head>
    <script type="text/javascript">
      // <![CDATA[

        function validate()
        {
          with (document.forms.registration)
          {
            if (email.value == "")
            {
              alert("You must provide an email address.");
              return false;
            }
            else if (password1.value == "")
            {
              alert("You must provide a password.");
              return false;
            }
            else if (password1.value != password2.value)
            {
              alert("You must provide the same password twice.");
              return false;
            }
            else if (!agreement.checked)
            {
              alert("You must agree to our terms and conditions.");
              return false;
            }
          }
          return true;
        }
      ]>
    </script>
  </head>
  <body>
    <div id="header">
      <div id="header-content">
        <h1>
          <div id="header-image">
            <img alt="Header image" data-bbox="100 100 250 250" />
          </div>
        </h1>
      </div>
    </div>
    <div id="main-content">
      <div id="main-content-header">
        <h2>
          <div id="main-content-image">
            <img alt="Main content image" data-bbox="100 300 250 450" />
          </div>
        </h2>
      </div>
      <div id="main-content-body">
        <div id="main-content-body-content">
          <div id="main-content-body-content-image">
            <img alt="Main content body image" data-bbox="100 500 250 650" />
          </div>
          <div id="main-content-body-content-text">
            <p>
              <div id="main-content-body-content-text-image">
                <img alt="Main content body text image" data-bbox="100 700 250 850" />
              </div>
            </p>
          </div>
        </div>
      </div>
    </div>
    <div id="footer">
      <div id="footer-content">
        <div id="footer-content-image">
          <img alt="Footer content image" data-bbox="100 900 250 950" />
        </div>
      </div>
    </div>
  </body>
</html>
```

```
}  
  
// ]]>  
</script>  
<title></title>  
</head>  
<body>  
  <form action="process.php" method="get" name="registration" onsubmit="return validate();">  
    Email: <input name="email" type="text" />  
    <br />  
    Password: <input name="password1" type="password" />  
    <br />  
    Password (again): <input name="password2" type="password" />  
    <br />  
    I agree to the terms and conditions: <input name="agreement" type="checkbox" />  
    <br /><br />  
    <input type="submit" value="Submit" />  
  </form>  
</body>  
</html>
```

```
<!--
```

```
form4.html
```

A form with client-side validation demonstrating "this" keyword.

David J. Malan
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Harvard Extension School

```
-->
```

```
<!DOCTYPE html PUBLIC
    "-//W3C//DTD XHTML 1.0 Transitional//EN"
    "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">
  <head>
    <script type="text/javascript">
      // 

        function validate(f)
        {
          if (f.email.value == "")
          {
            alert("You must provide an email address.");
            return false;
          }
          else if (f.password1.value == "")
          {
            alert("You must provide a password.");
            return false;
          }
          else if (f.password1.value != f.password2.value)
          {
            alert("You must provide the same password twice.");
            return false;
          }
          else if (!f.agreement.checked)
          {
            alert("You must agree to our terms and conditions.");
            return false;
          }
          return true;
        }

      // ]]&gt;</pre></div>
```

```
</script>
<title></title>
</head>
<body>
  <form action="process.php" method="get" name="registration" onsubmit="return validate(this);">
    Email: <input name="email" type="text" />
    <br />
    Password: <input name="password1" type="password" />
    <br />
    Password (again): <input name="password2" type="password" />
    <br />
    I agree to the terms and conditions: <input name="agreement" type="checkbox" />
    <br /><br />
    <input type="submit" value="Submit" />
  </form>
</body>
</html>
```

```
<!--
```

```
form5.html
```

A form with client-side validation demonstrating disabled property.

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Harvard Extension School

```
-->
```

```
<!DOCTYPE html PUBLIC
    "-//W3C//DTD XHTML 1.0 Transitional//EN"
    "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">
  <head>
    <script type="text/javascript">
      // 

        function toggle()
        {
          if (document.forms.registration.button.disabled)
            document.forms.registration.button.disabled = false;
          else
            document.forms.registration.button.disabled = true;
        }

        function validate()
        {
          if (document.forms.registration.email.value == "")
          {
            alert("You must provide an email address.");
            return false;
          }
          else if (document.forms.registration.password1.value == "")
          {
            alert("You must provide a password.");
            return false;
          }
          else if (document.forms.registration.password1.value != document.forms.registration.password2.value)
          {
            alert("You must provide the same password twice.");
            return false;
          }
          else if (!document.forms.registration.agreement.checked)</pre></div>
```



```
{
    alert("You must agree to our terms and conditions.");
    return false;
}
return true;
}

// ]]>
</script>
<title></title>
</head>
<body>
    <form action="process.php" method="get" name="registration" onsubmit="return validate();">
        Email: <input name="email" type="text" />
        <br />
        Password: <input name="password1" type="password" />
        <br />
        Password (again): <input name="password2" type="password" />
        <br />
        I agree to the terms and conditions: <input name="agreement" onclick="toggle();" type="checkbox" />
        <br /><br />
        <input disabled="disabled" name="button" type="submit" value="Submit" />
    </form>
</body>
</html>
```

```
<!--
```

```
form6.html
```

A form with client-side validation demonstrating inline JavaScript.

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Harvard Extension School

```
-->
```

```
<!DOCTYPE html PUBLIC
    "-//W3C//DTD XHTML 1.0 Transitional//EN"
    "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">
  <head>
    <script type="text/javascript">
      // 

        function validate()
        {
          if (document.forms.registration.email.value == "")
          {
            alert("You must provide an email address.");
            return false;
          }
          else if (document.forms.registration.password1.value == "")
          {
            alert("You must provide a password.");
            return false;
          }
          else if (document.forms.registration.password1.value != document.forms.registration.password2.value)
          {
            alert("You must provide the same password twice.");
            return false;
          }
          else if (!document.forms.registration.agreement.checked)
          {
            alert("You must agree to our terms and conditions.");
            return false;
          }
          return true;
        }

      // ]]&gt;</pre></div>
```

```
</script>
<title></title>
</head>
<body>
  <form action="process.php" method="get" name="registration" onsubmit="return validate();">
    Email: <input name="email" type="text" />
    <br />
    Password: <input name="password1" type="password" />
    <br />
    Password (again): <input name="password2" type="password" />
    <br />
    I agree to the terms and conditions: <input name="agreement" onclick="document.forms.registration.button.disabled =
!document.forms.registration.button.disabled;" type="checkbox" />
    <br /><br />
    <input disabled="disabled" name="button" type="submit" value="Submit" />
  </form>
</body>
</html>
```

```
<!--
```

```
form7.html
```

A form with client-side validation demonstrating regular expressions.

David J. Malan
Computer Science E-75
Harvard Extension School

```
-->
```

```
<!DOCTYPE html PUBLIC
    "-//W3C//DTD XHTML 1.0 Transitional//EN"
    "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">
  <head>
    <script type="text/javascript">
      // 

        function validate()
        {
          if (!document.forms.registration.email.value.match(/.+@.+\.edu$/))
          {
            alert("You must provide a .edu email address.");
            return false;
          }
          else if (document.forms.registration.password1.value == "")
          {
            alert("You must provide a password.");
            return false;
          }
          else if (document.forms.registration.password1.value != document.forms.registration.password2.value)
          {
            alert("You must provide the same password twice.");
            return false;
          }
          else if (!document.forms.registration.agreement.checked)
          {
            alert("You must agree to our terms and conditions.");
            return false;
          }
          return true;
        }

      // ]]&gt;</pre></div>
```

```
</script>
<title></title>
</head>
<body>
  <form action="process.php" method="get" name="registration" onsubmit="return validate();">
    Email: <input name="email" type="text" />
    <br />
    Password: <input name="password1" type="password" />
    <br />
    Password (again): <input name="password2" type="password" />
    <br />
    I agree to the terms and conditions: <input name="agreement" type="checkbox" />
    <br /><br />
    <input type="submit" value="Submit" />
  </form>
</body>
</html>
```

```
<!-- quick and dirty dump of HTTP request -->
```

```
<pre>
```

```
<? print_r($_REQUEST); ?>
```

```
</pre>
```

<!--

oop1.html

Demonstrates prototype-based OOP.

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-->

```
<!DOCTYPE html PUBLIC
    "-//W3C//DTD XHTML 1.0 Transitional//EN"
    "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">
  <head>
    <script type="text/javascript">
      // 

        // constructor
        function Foo()
        {
          // property
          this.counter = 0;

          // method
          this.add = function(n) { this.counter += n; }
        }

        // instantiate object
        var f = new Foo();

        // print object's counter
        alert(f.counter);

        // increment object's counter
        f.add(1);

        // re-print object's counter
        alert(f.counter);

      // ]]&gt;
    &lt;/script&gt;
    &lt;title&gt;&lt;/title&gt;
  &lt;/head&gt;</pre></div>
```

03/09/08
18:22:30

lectures/5/src/oop/oop1.html

2

<body/>
</html>


```
<!--
```

```
oop2.html
```

```
Demonstrates prototype-based OOP and "prototype" keyword.
```

```
David J. Malan  
Computer Science E-75  
Harvard Extension School
```

```
-->
```

```
<!DOCTYPE html PUBLIC  
    "-//W3C//DTD XHTML 1.0 Transitional//EN"  
    "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">  
  
<html xmlns="http://www.w3.org/1999/xhtml">  
  <head>  
    <script type="text/javascript">  
      // <br/><br/>        // constructor<br/>        function Foo()<br/>        {<br/>          // property<br/>          this.counter = 0;<br/>        }<br/><br/>        // method<br/>        this.prototype.add = function(n) { this.counter += n; }<br/><br/>        // instantiate object<br/>        var f = new Foo();<br/><br/>        // print object's counter<br/>        alert(f.counter);<br/><br/>        // increment object's counter<br/>        f.add(1);<br/><br/>        // re-print object's counter<br/>        alert(f.counter);<br/><br/>      // ]]&gt;<br/>    &lt;/script&gt;<br/>    &lt;title&gt;&lt;/title&gt;<br/>  &lt;/head&gt;</pre></div>
```

03/10/08
22:02:14

lectures/5/src/oop/oop2.html

2

<body/>
</html>