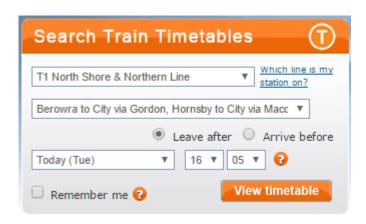
CSIT128 / CSIT828

Web Form

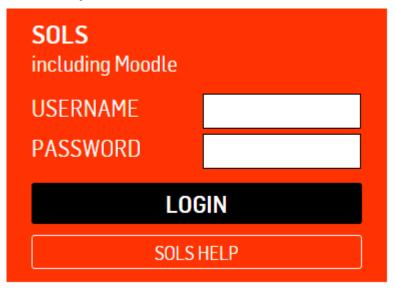
Joseph Tonien

Form

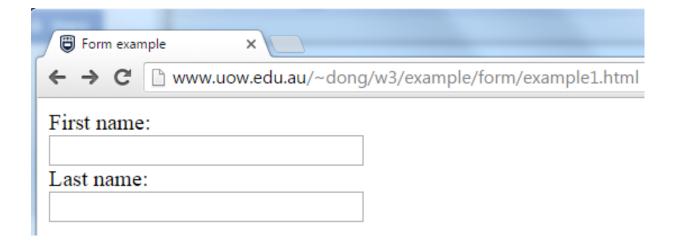
- HTML forms are used to collect user input.
- HTML forms contain form elements.



- Different types of form elements: text field, textarea, checkboxes, radio buttons, option selection, submit buttons, ...
- When user clicks a submit button, user input will be sent to the server to process

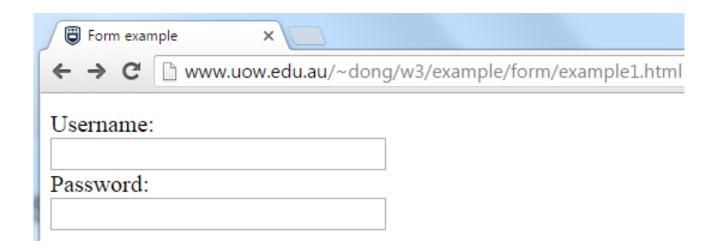


Form - type text



Form - type password

```
<form ...>
  Username:<br />
  <input type="text" name="username" size="30"><br />
  Password:<br />
  <input type="password" name="password" size="30"><br />
  ...
</form>
```



Form - type checkbox

This is the value that sent to server



Form - type radio

```
This is the value that sent to server
<form ...>
  Select student type:<br />
  <input type="radio" name="studentType" value="u" \u00cdUndergraduate</pre>
  <input type="radio" name="studentType" value="p">Postgraduate
  <input type="radio" name="studentType" value="other">Other
</form>
                                          This is the value that get displayed
     Form example
    ← → C  www.uow.edu.au/~dong/w3/example/form/example1.html
    Select student type:

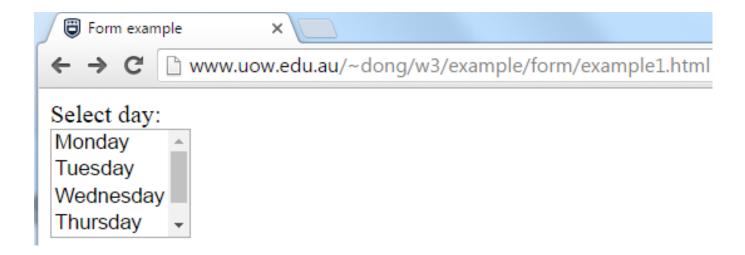
    Undergraduate
    Postgraduate
    Other
```

Form - select

This is the value that sent to server

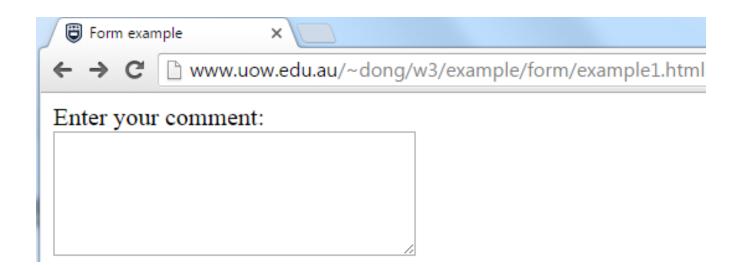
```
<form ...>
  Select day:<br />
  <select name="day">
    <option value="mon">Monday</option>
    <option value="tue">Tuesday</option>
    <option value="wed">Wednesday</option>
    <option value=("thu")Thursday</option>
    <option value="fri">Friday</option>
  </select>
</form>
                                          This is the value that get displayed
                                Form example
                                       www.uow,edu.au/~dong/w3/example/form/example1.html
                               Select day:
                                Monday
```

Form - select multiple



Form - textarea

```
<form ...>
  Enter your comment:<br />
  <textarea name="comment" rows="5" cols="30">
  </textarea>
  ...
</form>
```



Form - submit

this is the program in the server that processes the form

```
<form action="handle_login" method="post">
 Username:<br />
  <input type="text" name="username" size="30"><br />
 Password:<br />
  <input type="password" name="password" size="30"><br /><br />
  <input type="submit" value="Login">
  <input type="reset" value="Reset form">
```

</form>

Form example X
← → C www.uow.edu.au/~dong/w3/example/form/example1.htm
Username: Password:
Login Reset form

Form method

<form action="handle_login" method="post">

	method="get"	method="post"	
Visibility	Data is visible in the URL	Data is not displayed in the URL	
History	Parameters remain in the browser history	Parameters are not saved in browser history	
Bookmarked	Can be bookmarked	Cannot be bookmarked	
Security	get is less secure compared to post because data sent in part of the URL. Never use get when sending passwords or other sensitive information.		
Back button/ Reload	Harmless	Data will be re-submitted. Browser should alert the user about resubmission.	

Form method

<form action="handle_login" method="post">

	method="get"	method="post"
Restrictions on data length	Yes, when sending data, the get method adds the data to the URL; and the length of a URL is limited (maximum URL length is 2048 characters)	No restrictions
Restrictions on data type	Only ASCII characters allowed	No restrictions. Binary data is also allowed.

Form - reset

When reset button is clicked all input in the form will be cleared

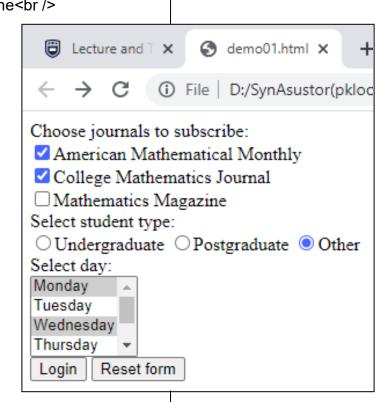
Form example X	
← → C www.uow.edu.au/~dong	g/w3/example/form/example1.htm
Username:	
Password:]
Login Reset form	7

Form - submission

```
<form ...>
 First name:<br />
  <input type="text" (name="firstname") size="30"><br />
  Last name:<br />
  <input type="text" name="lastname" size="30"><br />
 Select day: <br />
  <select(name="day">
    <option value="mon">Monday</option>
    <option value="tue">Tuesday</option>
    <option value="wed">Wednesday</option>
    <option value="thu">Thursday</option>
    <option value="fri">Friday</option>
  </select>
</form>
```

What is the purpose of the attribute name ?

```
<html>
<body>
<form action="handle login" method="get">
 Choose journals to subscribe:<br/>
 <input type="checkbox" name="journal" value="AMM">American Mathematical Monthly<br />
 <input type="checkbox" name="journal" value="CMJ">College Mathematics Journal<br/>
/>
 <input type="checkbox" name="journal" value="MM">Mathematics Magazine<br/>
 Select student type:<br/>
 <input type="radio" name="studentType" value="u">Undergraduate
 <input type="radio" name="studentType" value="p">Postgraduate
 <input type="radio" name="studentType" value="other">Other
 <br />
 Select day:<br/>
 <select name="day" multiple>
  <option value="mon">Monday</option>
  <option value="tue">Tuesday</option>
  <option value="wed">Wednesday</option>
  <option value="thu">Thursday</option>
  <option value="fri">Friday</option>
  <option value="hel">hello</option>
 </select>
 <br />
<input type="submit" value="Login">
 <input type="reset" value="Reset form">
 </form>
</body>
</html>
```



file:///D:/demo/handle_login?
journal=AMM&
journal=CMJ&
studentType=other&
day=mon&
day=wed

Examples

Google search

http://www.uow.edu.au/~dong/w3/example/form/google-search.html

Google translation

http://www.uow.edu.au/~dong/w3/example/form/google-translation.html

How can we find out the parameters for Google search and Google translation?

References

http://www.w3schools.com/html

Robert W. Sebesta, *Programming the World Wide Web*, Pearson.