



**FEU INSTITUTE OF TECHNOLOGY**  
COLLEGE OF ENGINEERING • COLLEGE OF COMPUTER STUDIES

# **Web Design Fundamentals / Basic Web Design**

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**Web Forms – ITEWEBDES**



# Designing Web Forms

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- **Describe Forms HTML tags**
- **Forms** provide a means of submitting information from the client to the server.
- **Design forms with:**
  - » **Text Field**
  - » **Radio Button**
  - » **Popup Menu & Scrolled List**
  - » **Checkbox**
  - » **Text Area**
  - » **Submit and Reset buttons**
- **Use of scripts for processing input data**
- **Send output results by email and save them into a file**



Form Demo - Microsoft Internet Explorer - [Working Offline]

File Edit View Go Favorites Help

Back Forward Stop Refresh Home Search

Address A:\demo.html

Links Best of the Web Channel Guide Customize Links Free

### Basic Info

Real Name :

E-Mail :

Location :

Gender : ☐ Male ☐ Female

### The Survey

PopUp Menu Question:

Option1  
Option2  
Option3  
Option4  
Option5

Scroll Bar Question:

Check Boxes:  
☐ Option1 ☐ Option2 ☐ Option3 ☐ Option4 ☐ Option5

Radio Buttons:  
☐ Option1 ☐ Option2 ☐ Option3 ☐ Option4 ☐ Option5

Anything else to say? (hit [return] at the end of each line)

Well...

My Computer

Text box

Radio button

Popup menu

Scroll box

Check box





# Forms in HTML

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- In a form, different types of inputs are used.
- Processing inputs to collect data is done using CGI Scripts (Common Gateway Interface).

**<FORM ACTION="sendform.cgi" METHOD="post" >**

The *Action* attribute specifies the program that will interpret and process the data collected when the user submits the data. The resulted output could be sent via email, or saved into a file, or both.

The *Method* attribute states how the data collected is to be transmitted (GET or POST).

**</FORM>**



# ALL ABOUT FORMS

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The **<FORM>** tag starts the form.

A document can consist of multiple forms, but forms cannot be nested;

a form cannot be placed inside another form.



## The **ACTION** attribute

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It specifies the URL of the CGI program that will process the form information.





## The **METHOD** attribute

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It specifies how the server will send the form information to the program.

**POST** sends the data through standard input, while **GET** passes the information through environment variables. If no method is specified, the server defaults to GET.



# Creating a Text Field

- Syntax: `<INPUT type="TEXT" .....>`
- Example:

```
<HTML>
```

```
<TITLE> Working with Forms </TITLE>
```

```
<BODY BGCOLOR="lightyellow">
```

```
<FORM>
```

```
  <B><font color="blue"> Class Information</font></B>
```

```
<label> Full Name : </label><INPUT type="TEXT" name="fullname" value=" ">
```

```
<label> E-Mail : </label> <INPUT type="TEXT" name="email" value=" ">
```

```
<label> Phone No. : </label> <INPUT type="TEXT" name="phone" value=" ">
```

```
</FORM>
```

```
</BODY>
```

```
</HTML>
```





# Creating a Text Field

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A screenshot of a Microsoft Internet Explorer window titled "Working with Forms - Microsoft Internet Explorer". The address bar shows "A:\forms.htm". The main content area displays a web form titled "Class Information" in blue text. The form contains three text input fields labeled "Full Name", "E-Mail", and "Phone No.". The browser interface includes a menu bar with "File", "Edit", "View", "Go", "Favorites", and "Help", and a status bar at the bottom.

Working with Forms - Microsoft Internet Explorer

File Edit View Go Favorites Help

Address A:\forms.htm Links

## Class Information

Full Name :

E-Mail :

Phone No. :



# Creating a Radio Button

- Syntax: `<INPUT type="radio" .....>`
- Example:

```
<HTML>
```

```
<TITLE> Working with Forms </TITLE>
```

```
<BODY BGCOLOR="lightyellow">
```

```
<FORM>
```

```
  <B><font color="blue"> Class Information</font></B>
```

```
  <pre>
```

```
Full Name :      <INPUT type="TEXT"  name="fullname"      value=" " >
```

```
E-Mail   :      <INPUT type="TEXT"  name="email"        value=" " >
```

```
Phone No. :     <INPUT type="TEXT"  name="phone"         value=" " >
```

```
</pre>
```

```
<B><font color="blue">Enrollment</font></B>
```

```
<BR>In what session are you enrolled?<BR>
```

```
<INPUT type="radio"  name="session"  value="day">Day session
```

```
<INPUT type="radio"  name="session"  value="evening">Evening session
```

```
<INPUT type="radio"  name="session"  value="weekend">Weekend session
```

```
</FORM>
```

```
</BODY>
```

```
</HTML>
```



# Creating a Radio Button

The screenshot shows a Microsoft Internet Explorer window titled "Working with Forms - Microsoft Internet Explorer". The address bar shows "A:\forms.htm". The page content includes a section titled "Class Information" with three text input fields for "Full Name", "E-Mail", and "Phone No.". Below this is a section titled "Enrollment" with the text "In what session are you enrolled?" and three radio buttons labeled "Day session", "Evening session", and "Weekend session".

**Working with Forms - Microsoft Internet Explorer**

File Edit View Go Favorites Help

Address A:\forms.htm Links

**Class Information**

Full Name :

E-Mail :

Phone No. :

**Enrollment**

In what session are you enrolled?

☐ Day session ☐ Evening session ☐ Weekend session





# Creating a Popup Menu

- **Syntax:** `<SELECT>...</SELECT>`
- **Attributes:** NAME and SIZE
- **Example:** Popup Menu

**<P>What year are you?**

**<SELECT NAME="year" SIZE=1>**

**<OPTION SELECTED> Freshman**

**<OPTION> Sophomore**

**<OPTION> Junior**

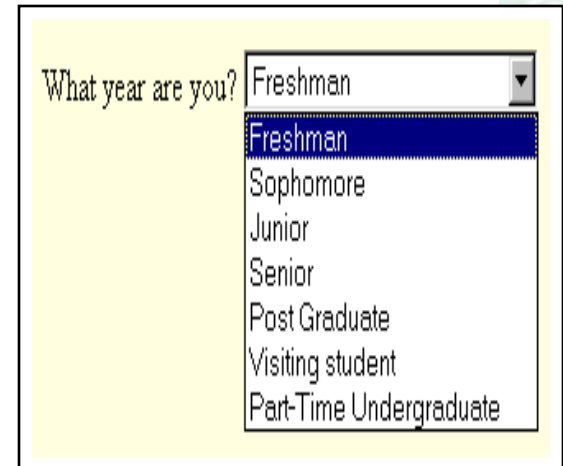
**<OPTION> Senior**

**<OPTION> Post Graduate**

**<OPTION> Visiting student**

**<OPTION> Other**

**</SELECT>**





# Creating a Scrolled List

- Syntax: `<SELECT>...</SELECT>`
- Attributes: NAME, MULTIPLE, and SIZE
- Example: Popup Menu

**`<B><font color=blue> Computer Experience </font></B>`**

`<p>`

Select all that apply?

`<SELECT NAME="experience" SIZE=5 MULTIPLE>`

`<OPTION SELECTED> Windows NT`

`<OPTION> UNIX`

`<OPTION> HTML`

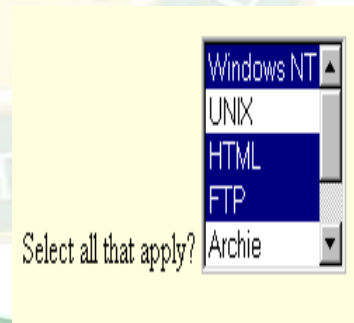
`<OPTION> FTP`

`<OPTION> Archie`

`<OPTION> Gopher`

`<OPTION> Newsgroups`

`</SELECT>`





# Creating a Checkbox

- Syntax: `<INPUT type="checkbox" .....>`
- Example:

```
<P><B><font color="blue">Favorites</font></B>  
<BR>Select your favorite topic(s)?
```

```
<INPUT TYPE="checkbox" name="favorites" value="none"> None<BR>  
<INPUT TYPE="checkbox" name="favorites" value="windows"> Windows  
<INPUT TYPE="checkbox" name="favorites" value="unix">UNIX  
<INPUT TYPE="checkbox" name="favorites" value="web">The Web  
<INPUT TYPE="checkbox" name="favorites" value="news">Newsgroups
```





# Creating a Checkbox

Working with Forms - Microsoft Internet Explorer

File Edit View Go Favorites Help Links

### Class Information

Full Name :

E-Mail :

Phone No. :

### Enrollment

In what session are you enrolled?

☐ Day session ☐ Evening session ☐ Weekend session

What year are you?

### Computer Experience

Select all that apply?

### Favorites

Select your favorite topic(s)? ☐ None

☒ Windows ☐ UNIX ☒ The Web ☐ Newsgroups



## Creating a Text Area

- **Syntax:** `<TEXTAREA>` ... `</TEXTAREA>`

- **Attributes:** *ROWS, COLS, and NAME.*

ROWS: visible number of rows or height of the text area.

COLS: number of visible columns or width of the text area.

NAME is useful when a CGI script is used.

- **Example:**

```
<P><B><font color="blue">Others</font></B>
```

```
<BR>Please type in the text box below if you want to comment?
```

```
<TEXTAREA ROWS="2" COLS="40" NAME="comments">  
</TEXTAREA>
```



# Creating a Text Area

Working with Forms - Microsoft Internet Explorer

File Edit View Go Favorites Help Links

**Class Information**

Full Name :

E-Mail :

Phone No. :

**Enrollment**

In what session are you enrolled?

☐ Day session ☐ Evening session ☐ Weekend session

What year are you?

**Computer Experience**

Select all that apply?

**Favorites**

Select your favorite topic(s)? ☐ None

☐ Windows ☐ UNIX ☐ The Web ☐ Newsgroups

**Others**

Please type in the box below if you have any comments?





# Creating Submit & Reset Buttons

- **Submit** button is used to send and submit the data already entered in the form to the server for processing.

**Syntax:** `<INPUT TYPE="submit" .....>`

- **Reset** button is used to clear the data already entered in the form.

**Syntax:** `<INPUT TYPE="reset" .....>`

`<HR>`

`<INPUT TYPE="submit" NAME="submitbutton"  
value="Process Data">`

`<INPUT TYPE="reset" NAME="resetbutton" value="Clear  
data">`

`<HR>`



# Creating Submit and Reset Buttons

Working with Forms - Microsoft Internet Explorer

File Edit View Go Favorites Help Links

**Class Information**

Full Name :

E-Mail :

Phone No. :

**Enrollment**

In what session are you enrolled?

☐ Day session ☐ Evening session ☐ Weekend session

What year are you?

**Computer Experience**

Select all that apply?

**Favorites**

Select your favorite topic(s)? ☐ None  
☐ Windows ☐ UNIX ☐ The Web ☐ Newsgroups

**Others**

Please type in the box below if you have any comments?



# Registration

Working with Forms - Microsoft Internet Explorer

File Edit View Go Favorites Help Links

**Class Information**

Full Name : Tami Bajorek

E-Mail : tjbst32@pitt.edu

Phone No. : 123-4567

**Enrollment**

In what session are you enrolled?

☒ Day session ☐ Evening session ☐ Weekend session

What year are you? Freshman

**Computer Experience**

Windows NT

HTML

Select all that apply? FTP

**Favorites**

Select your favorite topic(s)? ☐ None

☒ Windows ☐ UNIX ☒ The Web ☐ Newsgroups

**Others**

Please type in the box below if you have any comments?

Yeah! I am learning how to make forms.  
This is so exciting.....

Process Data Clear data





## Password Entry Field

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### SAMPLE

**<p> Enter User Name and Password:</p>**

**<p>**

**Username: <input type="text" size="30" />**

**Password: <input type="password" size="30" />**

**</p>**



## User Submit File

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### SAMPLE

**<p> Use the browse button to select file:</p>**

**<p>**

**<input type="file" size="30" />**

**</p>**



## Image for Submit Button

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### SAMPLE

**<p> Click the image to submit </p>**

**<input type="image" src="van.jpg"  
alt="submit button" />**





## Styling FORM using external CSS

```
fieldset {  
    width: 24em;  
    background-color: #ddeeff;  
    border: solid medium #05972  
}
```

```
legend {  
    border: solid 1px #053972  
}
```



# ADOBE DREAMWEAVER

The screenshot displays the Adobe Dreamweaver application window. The 'Insert' menu is open, and the 'Form' sub-menu is selected, showing a list of form elements. The 'Text Field' option is highlighted. The main workspace shows a web form with a text input field and a submit button. The Properties panel at the bottom left shows the 'Form ID' as 'form1' and the 'Method' as 'POST'. The right sidebar contains the 'Local Files' panel, 'Summary for Selection' panel, 'Rules' panel, and 'Properties' panel. The status bar at the bottom indicates the document size as 570 x 540, 1K / 1 sec, and the encoding as Unicode (UTF-8). The system clock shows 2:54 PM.

**Insert > Form > Text Field**

- Tag... Ctrl+E
- Image Ctrl+Alt+I
- Image Objects
- Media
- Media Queries...
- Table Ctrl+Alt+T
- Table Objects
- Layout Objects
- Form
  - Text Field
  - Textarea
  - Button
  - Checkbox
  - Radio Button
  - Select (List/Menu)
  - File Field
  - Image Field
  - Hidden Field
  - Radio Group
  - Checkbox Group
  - Jump Menu
  - Fieldset
  - Label
  - Spry Validation Text Field
  - Spry Validation Textarea
  - Spry Validation Checkbox
  - Spry Validation Select
  - Spry Validation Password
  - Spry Validation Confirm
  - Spry Validation Radio Group
- Hyperlink
- Email Link
- Named Anchor Ctrl+Alt+A
- Date
- Server-Side Include
- Comment
- HTML
  - Template Objects
  - Recent Snippets
- Widget...
- Spry
  - jQuery Mobile
  - InContext Editing
  - Data Objects
- Customize Favorites...
- Get More Objects...

**Properties**

Form ID: form1  
Action:   
Method: POST

**Local Files**

Local Files	Size	Type
Site - web for...	Folder	
index.html	1KB	Chrom...

**Summary for Selection**

No CSS properties apply to the current selection. Please select a styled element to see which CSS

**Rules**

**Properties**

Business Catalyst

**Assets**

Images: Site Favorites

**Name** **Dimensi...**

Insert

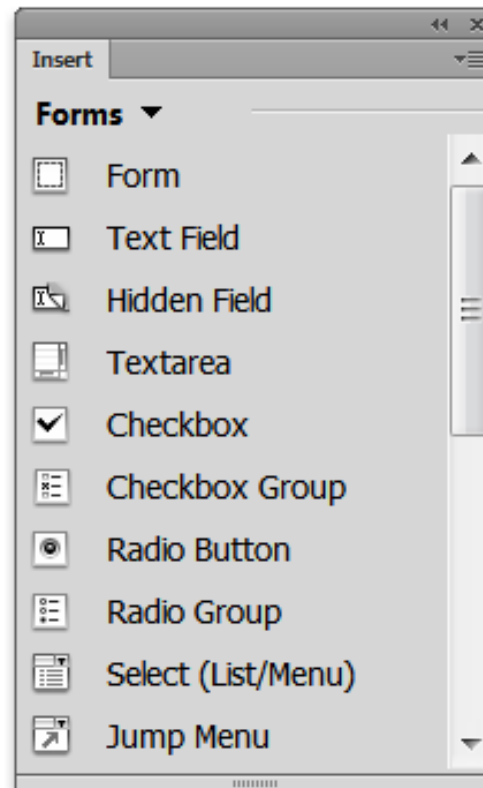
570 x 540 1K / 1 sec Unicode (UTF-8)

Class: None

2:54 PM



# ADOBE DREAMWEAVER







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***END OF MODULE 8***

