

Lesson name:

- ☒ Intermediate
- ☐ Expert

Password:

Intro to Forms

- ❑ HTML forms are used to **gather information** from end-users.
- ❑ A form can contain elements like **radio-buttons, text fields, checkboxes, submit buttons** and more.

Forms: Input Elements

❑ **Radio Buttons:** let a user select **ONLY ONE** of a limited number of choices.

❑ `<input type="radio" />` defines a radio button.

Code View:

```
<form>
<input type="radio" name="grade"
value="9th" /> Freshmen
<br />
<input type="radio" name="grade"
value="10th" /> Sophomore
<br />
<input type="radio" name="grade"
value="11th" /> Junior
</form>
```

Browser View:

☐ Freshmen
☐ Sophomore
☐ Junior

Forms: Input Elements

❑ **Text Fields:** allows the user to **type in text** into the text field box.

❑ `<input type="text" />` defines a one-line input field that a user can enter text into. Default width of a text field is 20 characters.

Code View:

```
<form>
Car Make: <input type="text"
name="carmake" />
<br />
Car Model: <input type="text"
name="carmodel" />
</form>
```

Browser View:

Car Make:

Car Model:

Forms: Input Elements

❑ **Password Field:** like the text field, it allows the user to **type in text** into the text field box but the **characters are masked**.

❑ `<input type="password" />` defines a password field.

Code View:

```
<form>
Password:
<input type="password"
name="password" />
</form>
```

Browser View:

Password:



with user input

Text Area

```
<form>
```

```
<textarea name="comments"  
  cols="20" rows="4">
```

Enter your comments...

```
</textarea>
```

```
</form>
```



Forms: Input Elements

☐ **Checkboxes:** let a user select **ONE** or **MORE** **options** of a limited number of choices.

☐ `<input type="checkbox" />` defines a checkbox.

Code View:

```
<form>
<input type="checkbox"
name="language" value="spanish" />
I speak Spanish<br />
<input type="checkbox"
name="language" value="french" />
I speak French
</form>
```

Browser View:

☐ I speak Spanish
☐ I speak French

Forms: Input Elements

❑ **Drop-Down List:** allows a user to select one option from a simple drop-down menu.

Code View:

```
College Majors<br />
<form>
<select name="collegemajors">
<option value="eng">English Major</option>
<option value="math">Math Major</option>
<option value="SS">Social Studies Major</option>
<option value="history">History Major</option>
</select>
</form>
```

default view

with drop-down
menu engaged

Browser View:

College Majors

English Major

College Majors

English Major

English Major

Math Major

Social Studies Major

History Major

Forms: Input Elements

❑ **Submit Button:** used to send form **data to a server**. The data is sent to the page referenced in the form's "action" attribute. The file defined in the action attribute **processes the received input**.

❑ `<input type="submit" />` defines a submit button.

Code View:

```
<form name="input">  
User Login: <input type="text"  
name="user" />  
<input type="submit" value="Submit" />  
</form>
```

Browser View:

User Login:

Forms: Review

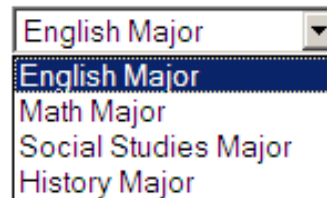
HTML forms are used to **gather information** from end-users in the following ways:

Radio Buttons

- ☐ Freshmen
- ☐ Sophomore
- ☐ Junior

Drop-down List

College Majors



Submit Button

User Login:

Password Field

Password:

Text Field

Car Make:

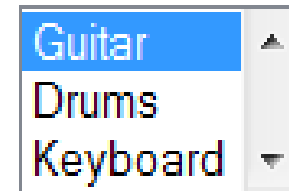
Car Model:

Checkbox

- ☐ I speak Spanish
- ☐ I speak French

Multiple Selection

- `<select name="instruments"`
`size="3" multiple="multiple">`
`<option`
`value="guitar"`
`selected="selected">Guitar</op`
`tion>`
`<option`
`value="drums">Drums</option>`



File Input Box

- `<input type="file"`
 `name="user-song"`
 `>
`
 `<input`
 `type="submit"`
 `value="Upload" />`



A visual representation of a file input form. It consists of a text input field, a "Browse..." button to its right, and an "Upload" button positioned below the input field.

Submit Button

- `<input type="text"
name="email" />`

`<input`

`type="submit"`

`name="subscribe"`

`value="Subscribe" />`



A visual representation of the HTML code shown. It consists of a text input field followed by a submit button labeled "Subscribe".

Image Button

- `<input type="image" src="images/subscribe.jpg" width="100" height="20" />`

Subscribe to our email list:

SUBSCRIBE

Button and Hidden Controls

- `<button>
Add</button>
 <input
type="hidden"
name="bookmark"
value="lyrics" />`



Labelling Form Controls

`<label>`

Age: `<input type="text" name="age"/>`

`</label>`

`
`

Gender:

`<input id="female" type="radio" name="gender" value="f">`

`<label for="female">Female</label>`

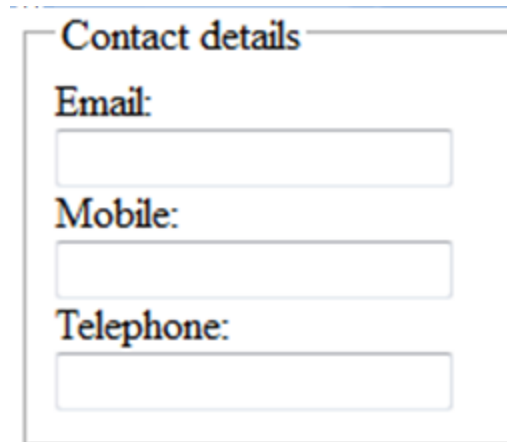
`<input id="male" type="radio" name="gender" value="m">`

Age:

Gender: ☒ Female ☐ Male

Grouping Form Elements

- `<fieldset>`
 `<legend>Contact`
 `details</legend>`
 `<label>Email:
<input`
 `type="text" name="email"`
 `/></label>
`
 `<label>Mobile:
<input`
 `type="text" name="mobile"`
 `/></label>
`
 `<label>Telephone:
<input`
 `type="text" name="telephone"`
 `/></label>`
 `</fieldset>`



Contact details

Email:

Mobile:

Telephone:

HTML5 Form Validation

- `<input
type="password"
name="password"
required="required"
>`

Username:

Password:

HTML5 Date Input

- `<input type="date" name="depart" />`
`<input type="submit" value="Submit" />`

Departure date:

HTML5 Email Input

- `<input name="email" type="email">`
 `<input value="Submit" type="submit">`

Please enter your email address:

HTML5 URL Input

- `<input name="website" type="url">`
 `<input value="Submit" type="submit">`

Please enter your website address:

HTML5 Search Input

- `<input type="search" name="search" />`
 `<input type="submit" value="Search"`
 `/>`

Search: