Forms Part2

EGR 223 - SE Approach to HCI

- Forms

Check boxes: `<input>`

```
<input type="checkbox" name="lettuce" /> Lettuce
<input type="checkbox" name="tomato" checked="checked" />
Tomato
<input type="checkbox" name="pickles" /> Pickles
```
HTML

☐ Lettuce ☑ Tomato ☐ Pickles

- none, 1, or many checkboxes can be checked at same time
- when sent to server, any checked boxes will be sent with value on:
  - http://web.com/params.php**?tomato=on&pickles=on**

3

Radio buttons: `<input>`

```
<input type="radio" name="cc" value="visa"
checked="checked" /> Visa
<input type="radio" name="cc" value="mastercard" />
MasterCard
<input type="radio" name="cc" value="amex" /> American
Express
```
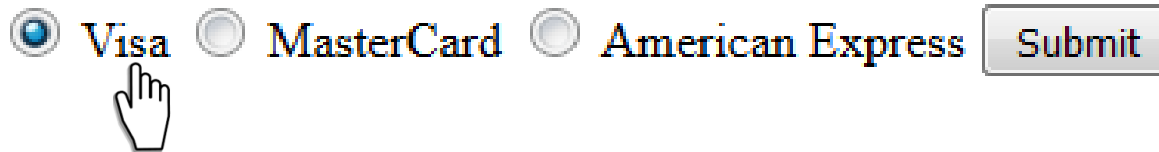*HTML*

◉ Visa ◯ MasterCard ◯ American Express

- grouped by name attribute (only one can be checked at a time)
- must specify a value for each one or else it will be sent as value "on"
- when sent to server:
  – http://web.com/params.php**?cc=visa**

Text labels: `<label>`

```html
<label><input type="radio" name="cc" value="visa"
checked="checked" /> Visa</label>
<label><input type="radio" name="cc" value="mastercard" />
MasterCard</label>
<label><input type="radio" name="cc" value="amex" />
American Express</label>
```
HTML

⦿ Visa ○ MasterCard ○ American Express [Submit]

- associates nearby text with control, so you can **click text to activate** control
- can be used with checkboxes or radio buttons

Drop down lists: `<select>`, `<option>`

```html
<select name="favoritecharacter">
  <option>Frodo</option>
  <option>Bilbo</option>
  <option selected="selected">Gandalf</option>
  <option>Galandriel</option>
</select>
```
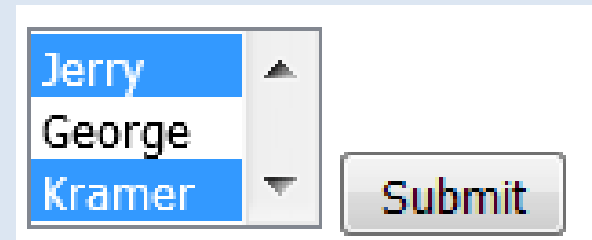*HTML*

- option element represents each choice
- optional selected attribute sets which one is initially chosen
- *When sent to server:*
    *https://c9.io/m.php**?favoritecharacter=Gandalf***

Using: `<select>` for lists

```html
<select name="favoritecharacter[]" size="3"
multiple="multiple">
  <option>Jerry</option>
  <option>George</option>
  <option>Kramer</option>
  <option>Elaine</option>
  <option selected="selected">Newman</option>
</select>
```
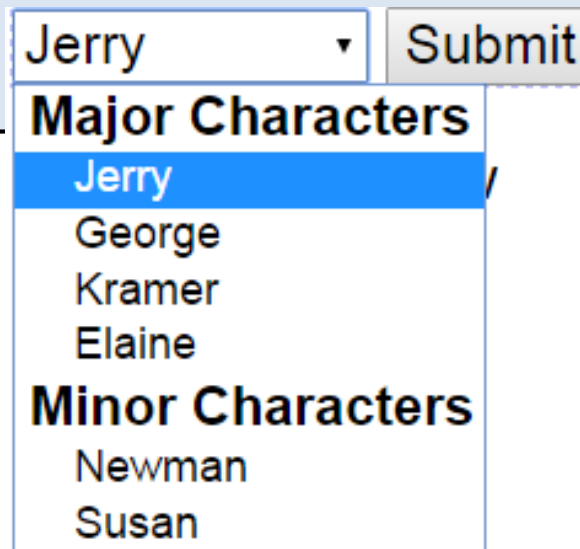
HTML

- optional multiple attribute allows selecting multiple items with shift- or ctrl-click
  - must declare parameter's *name with []* if you allow multiple selections
- option tags can be set to be initially selected
- When sent to server:
  - https://c9.io/m.php**?favoritecharacter[]=Jerry&favoritecharacter[]=Kramer**
- Using PHP $_GET["favoritecharacter"]:
  - Array ([favoritecharacter] => Array ([0] => Jerry [1] => Kramer))

Option groups: `<optgroup>`

```html
<select name="favoritecharacter">
  <optgroup label="Major Characters">
    <option>Jerry</option>
    <option>George</option>
    <option>Kramer</option>
    <option>Elaine</option>
  </optgroup>
  <optgroup label="Minor Characters">
    <option>Newman</option>
    <option>Susan</option>
  </optgroup>
</select>
```

HTML

Text boxes: `<textarea>`

```html
<textarea name="entry"
rows="4" cols="20">
Type your comments here.
</textarea>
```
HTML

```html
<textarea name="entry"
rows="4" cols="20" readonly>
Type your comments here.
</textarea>
```
HTML

```
Type your comments
here.
```

- initial text is placed inside textarea tag (optional)
- required rows and cols attributes specify height/width in characters
- optional **readonly** attribute means text cannot be modified

Text boxes: `<textarea>`

```
<textarea name="entry" rows="4" cols="20"
placeholder="Enter comments">
Type your comments here.
</textarea>                                    HTML
```


- Placeholder attribute will show up as a "hint"
- Greyed out text that will be removed once you type in text

1. Hello by Adele
2. Speak Life by TobyMac
3. All of Me by John Legend
4. Oceans by Hillsong

☐ Sort by title [Sort]

```
Enter new song in this format: Title, Artist, Youtube link
```

[Enter]

- 0) Create a **new blog entry** with the following requirements
- 1) Use a **checkbox** to have the option to sort the songs
- 2) Add a **textarea** to allow users to enter a new song entry
- 3) Once you submit a new song, write the data to your text file
- 4) Recall the PHP code below to append to a file
- 5) Take screenshot of your PHP and output, upload to Blackboard

```php
# add a line to a file
$new_text = "P.S. ILY, GTG TTYL!~";
file_put_contents("poem.txt", $new_text, FILE_APPEND);
```

PHP

Sample Output

2/27, - Music Musik Musico Musica Musickcoca 2

My faviorite music:

Search for title: [   ] ☐ Sort? [Search]

   i. Hello by Adele
  ii. Hello by Homer
 iii. Hello by Bob
 iv. Speak Life by TobyMac
  v. All of Me by John Legend
 vi. Oceans by Hillsong

Enter new song in this format: Title, Artist, Youtubelink

[Enter]

Search for title: [Hello] ☑ Sort? [Search]

2/27, - Music Musik Music

My faviorite music:

Search for title: [   ] ☐ Sort? [Search]

My list in sorted order:

   i. Hello by Adele
  ii. Hello by Bob
 iii. Hello by Homer

Enter new song in this format: Title, Artist, Yo

Sample Output

2/27   **- Music Musik Musico Musica Musickcoca 2**

My faviorite music:

Search for title: [_____] ☐ Sort? [Search]

    i. Hello by Adele
   ii. Hello by Homer
  iii. Hello by Bob
  iv. Speak Life by TobyMac
   v. All of Me by John Legend
  vi. Oceans by Hillsong

`homer, simpsons family, https://www.youtube.com/watch?v=Xqog63KOANc`

    i. Hello by Adele
   ii. Hello by Homer
  iii. Hello by Bob
  iv. Speak Life by TobyMac
   v. All of Me by John Legend
  vi. Oceans by Hillsong
 vii. homer by simpsons family

To handle new data upload:

```php
<form action="blog.php">
  <!-- textarea stuff -->
</form>


<?php
#Step 1: check if new data entered
#Step 2: Append to text file
#Step 3: Refresh page to show new list
header("Refresh:0; url=blog.php");
?>
```