

IT 105 – Principles of Programming

Day 08a - Forms

1. Just a reminder, when you save your pages make sure they are text, but that they have the `.html` extension and not `.txt`. As you modify your pages to add functionality, be sure to save separate copies.
2. With `form` elements:
 - a. Your webpage should always clearly prompt or make clear what is to be input.
 - b. The `form` element itself should be named.
 - c. The elements inside the `form` element should be named.

3. Forms examples:

```
<!-- an example of a button -->
```

```
<input type=button value="Push Me!">
```

```
<!-- an example of a submit button -->
```

```
<input type="submit" value="Submit Form">
```

```
<!-- an example of a reset button -->
```

```
<input type="reset" value="Clear">
```

```
<!-- Text field, with attributes controlling column  
width -->
```

Enter your first name:

```
<input type="text" name="firstName" value="Tom"  
size=50>
```

```
<!-- an examnple of two checkboxes -->
```

```
<INPUT TYPE=CHECKBOX NAME="eggs" VALUE="eggs"> Eggs
```

```
<INPUT TYPE=CHECKBOX NAME="toast" VALUE="toast">
```

Toast

```
<!-- radio buttons get the same group (and correct  
functionality) by having the same name -->
```

```
<INPUT TYPE=RADIO NAME="Station" VALUE="magic"> 93.7
```

```
<INPUT TYPE=RADIO NAME="Station" VALUE="bus"> 99.5
```

```
<INPUT TYPE=RADIO NAME="Station" VALUE="merf"> 103.5
```

```

<!-- select element with attributes controlling
number of choices viewed and selected -->
<label for="days">Choose a day:</label>
<SELECT NAME="choices" id="days" SIZE=3 MULTIPLE>
  <option>Monday</option>
  <option>Tuesday</option>
  <option>Wednesday</option>
  <option>Thursday</option>
  <option>Friday</option>
  <option>Saturday</option>
  <option>Sunday</option>
</SELECT>
<!-- the <label> tag is used for accessibility -->

<!-- textarea element with attributes controlling
number of rows and columns, and default text inside
container element -->
Now we will have a text area for comments:<BR>
<TEXTAREA NAME="comments" ROWS=5 COLS=40>
Enter your comments, please be nice, here.
</TEXTAREA>

```

4. Do a search in google on "cats."

- a. URL on the results page is:

<https://www.google.com/search?q=cats&oq=cats&aqs=chrome..69i57j46i433j0j0i433l2j46j0i433l2.1820j0j15&sourceid=chrome&ie=UTF-8>

- b. Just take the "query" part: <https://www.google.com/search?q=cats>
- c. The ? signifies a "get" parameter, here it was a query "q" on cats.
- d. Let's modify our form to do a Google search on the value entered:

```

<form action="https://www.google.com/search"
method = "get">
  <input name="q" type="text"> //q is the name google
is expecting
  <input type="submit" value="Submit Form">
</form>

```