

# 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.”

- URL on the results page is:

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

- Just take the “query” part: <https://www.google.com/search?q=cats>
- The ? signifies a “get” parameter, here it was a query “q” on cats.
- 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>

```