Announcements

- Project #5 posted.
- Schedule has been updated.
HTML Forms

- Forms – Previous examples of forms just collected data for processing for a JavaScript program.
- Forms - means by which information passes from the user to a server
- Tags
  - `<form>` - defines the form. It has two attributes
    - **action** – indicates where the form contents will be sent when the form is submitted
    - **method** – defines how the contents will be sent when the submit button is clicked on
      - post – contents sent using the HTTP POST method. Content is “hidden”
      - get – contents sent using the HTTP GET method. Contents included in the URL
HTML Forms

- Tags
  - `<input>` - appears inside of the `<form>` tag and defines several input data alternatives. The general format is:

    `<input type="ALTERNATIVE" />` where ALTERNATIVE can be
    
    text, password, checkbox, radio, file, submit, image, button, reset, hidden

- We can retrieve form information in the target script through `$_POST` or `$_GET`

- Let’s go over an example that summarizes several of the input elements we have in forms

- Example: `formsSummaryPost.html`, `formsSummaryGet.html`

- Advantages/Disadvantages of POST and GET
Form Processing

As we have seen, we need a server script/program to process the data we collect in a form.

If you know the script/program to use you can develop your own customized form to provide a service (e.g., Google search).

Make sure you name your form elements after the variables required by the script/program.

Notice we are not using any JavaScript at the moment. We are focusing on what we can do on Forms by relying on the server script/program for processing.

Example: OurSearchBox.html
Passing Data To Functions

- Reviewing passing by value with numbers
  - **Example:** PassByValue.html

- How is an array passed to a function?
  - **Example:** PassingArrays.html

- Let’s see a Memory Diagram

- Memory Diagram
  - Tool we will use to illustrate the associations between variables and entities (e.g., objects, arrays, etc.)