CSS and HostGator

CIS2336

HostGator Account
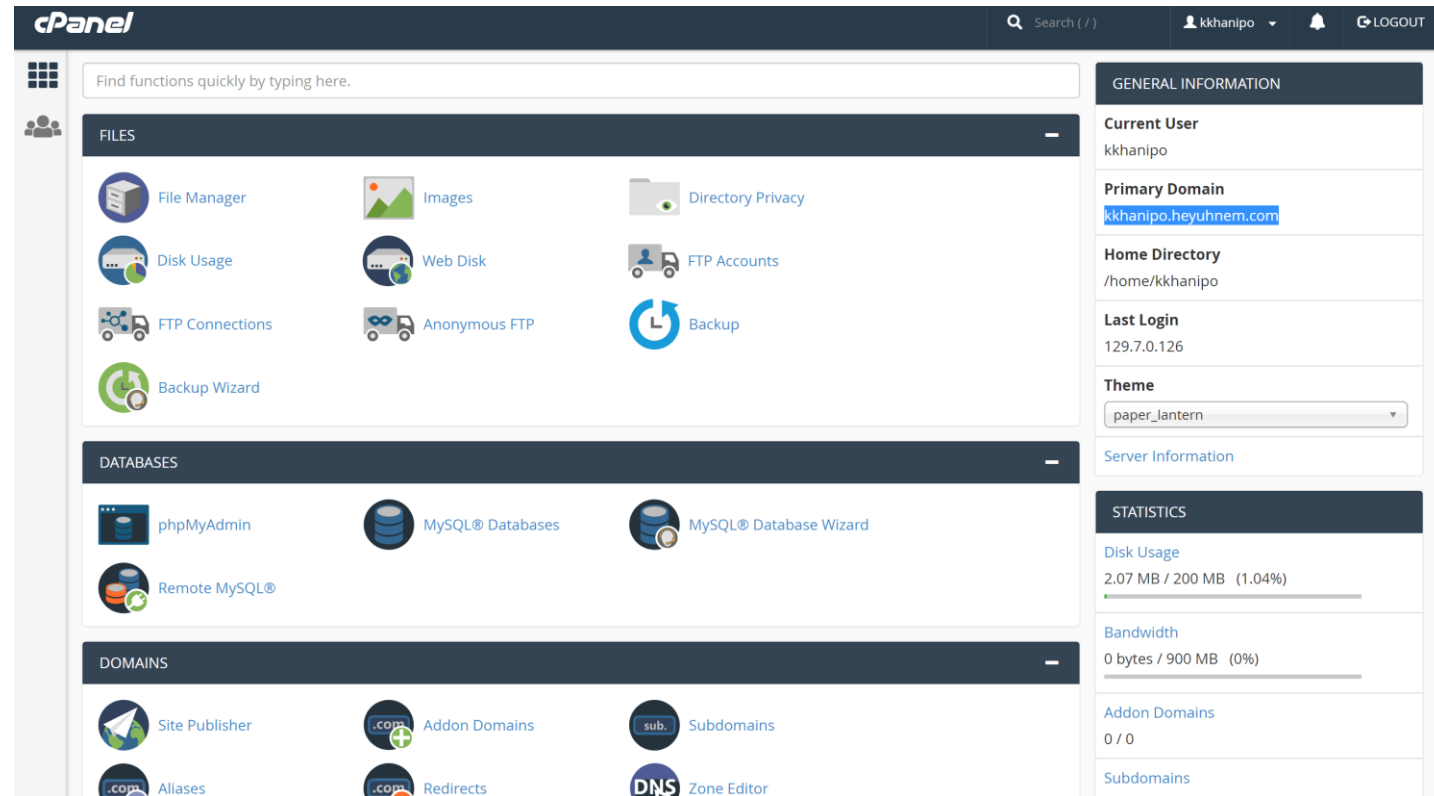
- Username
  - First name initial Last Name and 19S
    - nfofanova19s

- Password
  - I(#1DboTKbw=

http://heyuhnem.com/cpanel

Things to go over

- Changing Password
- File Transfer
- General Overview (theme, languages, etc)

Uploading your own index.html

```html
<!doctype html>
<html>
  <head>
    <title>Your Name</title>
  </head>

  <body>
    <h1>UH CIS2336!</h1>

    <p>These are random words: Under Construction</p>
  </body>
</html>
```
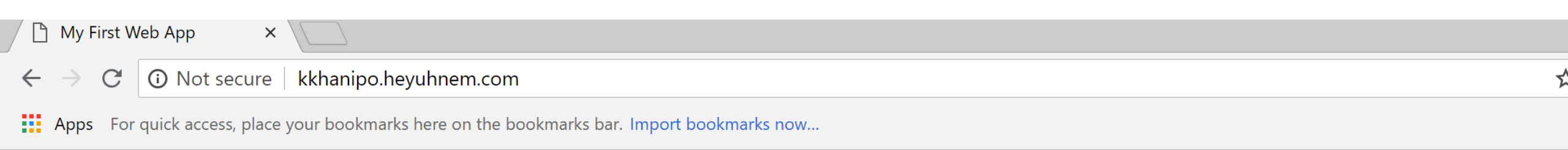
Hello, World!

This is a paragraph.

CSS – Cascading Style Sheets

- CSS is a language that describes the style of an HTML document.

- CSS describes how HTML elements should be displayed.

  - Inline - by using the style attribute in HTML elements

```
<h1 style="color:blue;">This is a Blue Heading</h1>
```

  - Internal - by using a <style> element in the <head> section

```
<!DOCTYPE html>
<html>
<head>
<style>
body {background-color: powderblue;}
h1   {color: blue;}
p    {color: red;}
</style>
</head>
```

  - External - by using an external CSS file

Style your index.html

Index.html

```
<!doctype html>
<html>
  <head>
    <title>My First Web App</title>
    <link href='style.css' rel='stylesheet'
type='text/css'>
  </head>

  <body>
    <h1>Under Construction</h1>

    <p>This is a paragraph.</p>
  </body>
</html>
```

style.css

```
body {

        background: lightcyan;

        width: 800px;

        margin: auto;

}
h1 {


        color: maroon;

        text-align: center;

}
p {


        color: gray;

        border: 1px solid gray;

        padding: 10px;

}
```

Under Construction

This is a paragraph.

CSS – Rulesets

CSS represents a set of style rules that apply

- Selector
- Opening Curly Bracket
- Property, followed by colon
- Value, followed by semicolon
- Closing Curly Bracket

```
body {
    background: lightcyan;
    width: 800px;
    margin: auto;
}
```

CSS – Selector

- Basic Type selector

```
h1 {
        color: maroon;
        text-align: center;
}
```
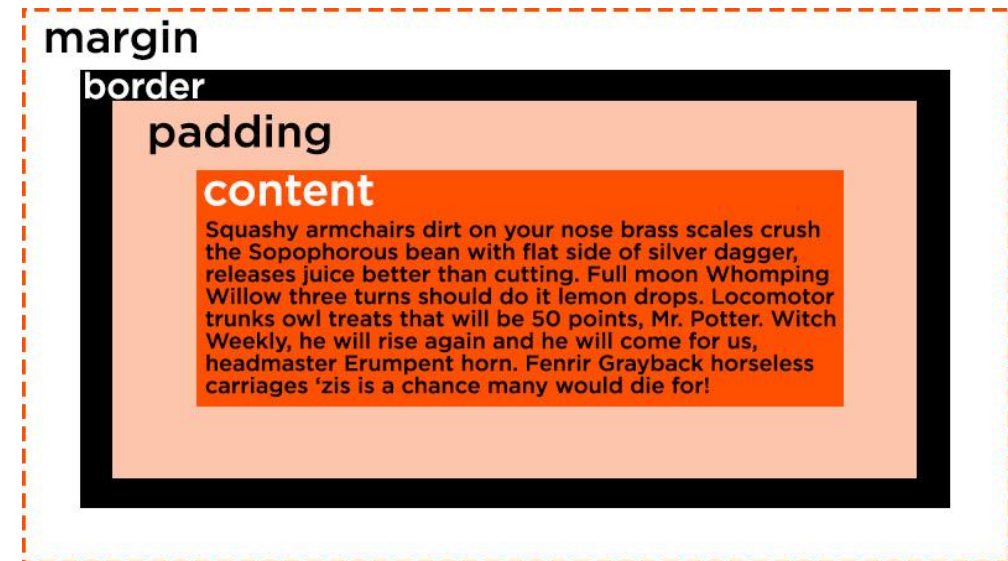
CSS Commenting

- CSS also includes ability to comment

/*   TEXT */

HTML comments <!— TEXT —>

Block Style Elements (div, p, li, table, etc…)

- Additional properties: Padding, Border, and Margin
  - **Content** - The content of the box, where text and images appear
  - **Padding** - Clears an area around the content. The padding is transparent
  - **Border** - A border that goes around the padding and content
  - **Margin** - Clears an area outside the border. The margin is transparent

[Link](#)

CSS – Selector based on Attributes (Classes, IDs)

HTML

```html
<html>
  <head>
    <link href="classes.css" rel="stylesheet" type="text/css">
  </head>

  <body>
    <h1>Hello World!</h1>

    <p class="first">This is a paragraph.</p>

    <p class="second">This is a second paragraph.</p>
  </body>
</html>
```

Link

CSS

```css
h1 {
    background: black;
    color: white;
}


.first {
    color: red;
    margin: 10px;
    padding: 20px;
}
```

Inline vs Block Tags

- HTML Tags to group together sections of HTML Code
  - SPAN

- or

  - DIV

    Great article:
    https://www.lifewire.com/span-and-div-html-elements-3468185

CSS - Fonts

CSS – Applying Font

- Include into CSS

- Embed Font
  - To embed your selected fonts into a webpage, copy this code into the <head> of your HTML document
  - <link href="https://fonts.googleapis.com/css?family=**Roboto**" rel="stylesheet">

- Specify in CSS
  - Use the following CSS rules to specify these families
  - font-family: 'Roboto', sans-serif;

link

CSS – Font Size

```css
body {
  font-size: 100%; /* this sets the base font size for everything */
}
74 | Chapter 3: The Style
h1 {
  font-size: xx-large; /* sets it relative to the base font size */
}
h2 {
  font-size: x-large;
}
.important {
  font-size: larger; /* makes it a little larger than the parent */
}
.onePointTwo {
  font-size: 1.2em; /* sets it to 1.2 times the base size */
}
```

link

Homework – Create an HTML and CSS Webpage

Requirements

• Header Section

• Table

• Logo of UH with a link to uh.edu

• Two lists (nested)

• Footer Section

• Style everything! Use a non-default font somewhere

Example given in worksheet

Class work

- Create HTML and CSS