

ITMD-461

Class 4
Sept 17, 2014

Agenda

- Server Account Information coming soon
- HTML Tag Demo and ?'s so far
- Tables
- Introduction to HTML Forms

HTML Tags

- Important tags to really know
 - ``
 - `<div></div>`
 - `<p></p>`
 - `<h1></h1> ... <h6></h6>`
 - `` or ``
 - `` & `` vs `` & `<i></i>`
 - ``
 - `` , `` , ``
 - `
` or `
`
 - Table Tags, `<table></table>` `<tr></tr>` `<th></th>` `<td></td>`

HTML IMG

- Images should be .png, .jpg or .jpeg, .gif format
- We will discuss image formats in more detail in a later class. Ch 21 & 22 if you want a head start.
- .png and .gif support transparency
- .jpg no transparency
- .jpg should be 24bit RGB
- .png can be 8bit index or 24bit RGB
- .gif will be 8bit index
- Typically .jpg is better for photos and .png is better for logos and graphics. Try to not use .gif unless necessary.

HTML IMG

- Image Tag
 - Element is img, ``
 - Empty element. No inner text node.
 - Needs to have a src attribute, ``
 - Needs alt attribute to validate and for accessibility
 - Used to provide a textual description of the image
 - ``
 - Can provide a width and height attribute
 - Value is in pixels
 - ``
 - Providing the dimensions has some benefits
 - Image reserves the proper space as it loads
 - Allows you to scale an image although not ideal solution

HTML IMG

- Chapter 7 in the book

Tables

- Main table defined and wrapped with `<table>` tag
- Table rows are defined and wrapped with `<tr>` tag
- Columns or cells are defined by `<td>` tags
- Basic structure
- Should be styled and sized with css

```
<table>
  <tr>
    <td>R1 C1</td>
    <td>R1 C2</td>
  </tr>
  <tr>
    <td>R2 C1</td>
    <td>R2 C2</td>
  </tr>
</table>
```

| | |
|-------|-------|
| R1 C1 | R1 C2 |
| R2 C1 | R2 C2 |

Tables

- Chapter 8 in the book

Assignments

- Make sure you have read all chapters on HTML Tags
 - Part II – Through Chapter 10
- Start reading Part III on css
- Come to class with any HTML Tag Questions
- Assignment 2 Due Sept 21
 - Make sure you understand basic page structure and basic tags used there. Ask TA if you need help.
- Assignment 3 next slide



Assignment 3

- Build a basic page with basic tags we talked about
- Page must use the HTML5 Skeleton page structure we talked about in class as a starting point.
- Page should have some headline tags on it.
 - Give the page a main headline of your choice
 - Put your name on the page in a headline
- Page needs to have a link to another site on it
- Page needs to have an Image tag used somehow (your choice of image)
- Page needs to reproduce the table shown on the next slide.

Assignment 3 continued

| Tourists to Australia (2006) | | |
|-------------------------------|--------------------|---------------------------------|
| Country of origin of visitors | Number of visitors | Average length of stay (nights) |
| Italy | 51 737 | 42 |
| China | 308 452 | 48 |
| United States of America | 456 084 | 24 |
| United Kingdom | 734 244 | 34 |
| Canada | 109 843 | 42 |
| New Zealand | 1 075 797 | 14 |

- No need to use any css unless you want too since we haven't really discussed it yet. Basic HTML format is fine.
- This will be graded based on the completion of all the requirements, html syntax errors, html structural errors, image path errors.
- Make a folder. Put your html file and any image files used in the folder, all properly linked. Zip the folder and upload to Assignment 3 in blackboard.
- **Due September 28 – 23:59 Chicago Time – no extensions**