Web Markup Languages

- HTML 2.0
- HTML 4.01
- XHTML 1.0
- XHTML 1.1
- XHTML 2.0
- HTML 5
HTML vs. XHTML

XHTML: Differences from HTML (part 1)

• Documents must be “well-formed”
  1. All start tags must be closed
  2. All tags must properly nest
**XHTML: Differences from HTML (part 2)**

- Tag and attribute names must be lowercase

- Attribute values must be double-quoted

- Use `id` instead of `name`
  
  ```html
  <a name=bottom> Stuff </a>
  <a id="bottom"> Stuff </a>
  <h1 id="ships"> … </h1>
  ```

**XHTML: Differences from HTML (part 3)**

- Many “style” tags/attributes removed

http://webdesign.about.com/od/htmlxhtmltutorials/l/bltags_deprecat.htm

- What to do?
XHTML: Differences from HTML (part 4)

- Frames allowed in XHTML 1.0…
  But removed in XHTML 1.1

- A few more technical differences…
  – See http://www.w3.org/TR/2000/REC-xhtml1-20000126/#diffs

Exercise #1 – Correct any invalid XHTML syntax

```xml
<?xml version = "1.0" encoding=utf-8 ?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1//EN"
 "http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">
<!-- An example file 
<!-- Our first Web page --> 
<html xmlns = "http://www.w3.org/1999/xhtml">
  <body>
    <h1> Welcome to <b> IT350! </b> </h1>
    <h2> Today’s Agenda </h2>
    <li> XHTML
    <li> JavaScript
  </body>
</html>
```
Exercise #2 – Correct any invalid XHTML syntax

```xml
<?xml version = "1.0"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1//EN"
   "http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">
<html xmlns = "http://www.w3.org/1999/xhtml">
  <title>Internet and WWW How to Program - Welcome</title>
  <body>
    <img src = "xmlhtp.jpg" height = "238" width = "183" >
    <h1 align="center">Under construction</h1>
  </body>
</html>
```

Exercise #3 – Correct any invalid XHTML syntax

```xml
<?xml version = "1.0"?>
<html xmlns = "http://www.w3.org/1999/xhtml">
  <head>
    <title>Internet and WWW How to Program - Links</title>
  </head>
  <body>
    <b>Here are my favorite links</b>
    <p><A href = "http://www.yahoo.com">Yahoo!</A></p>
    <p><A mailto = "webmaster@ussmichigan.org">Webmaster</A></p>
  </body>
</html>
```
Exercise #4 – Correct any invalid XHTML syntax

```xml
<?xml version = "1.0"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1//EN"
 "http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">
<html xmlns = "http://www.w3.org/1999/xhtml">
  <head>  
    <title>Best features of the Internet</title>  
  </head>
  <body>
    <ul>
      <li>Meet new people from around the world.</li>
      <li>Access to new media as it becomes public: </li>
        <ul>
          <li>New games</li>
          <li>New applications & software</li>
        </ul>
      <li>Search engines</li>
    </ul>
  </body>
</html>
```