**Lesson 1 - An Intro To HTML**

**Lecture Notes**

**Activity**

Set up notepad++

* Download / Install Notepad ++
* Settings > Style Configurator
* Install SherloXplorer Plugins
* Syntax menu

**Lecture**

1. HTML Introduction
   1. What is HTML ?
   2. HTML Example
   3. Example Explained
   4. HTML Tags
   5. Web Browsers
   6. HTML Page Structure
      1. Only the body area is displayed by the browser
      2. Overlapping tags are not allowed
   7. The !DOCTYPE Declaration
      1. We will be learning HTML5
   8. Common Declarations
   9. HTML Versions
      1. Older versions of HTML had much looser standards (no closing tags, overlapping sections, etc…)
2. HTML Editors
   1. Step 1: open notepad ++
   2. Step 2: write some html
   3. Step 3: save the html page
   4. Step 4: view the html page in your browser
3. HTML Basics
   1. HTML Documents
      1. Visible part is in the <body>
   2. HTML Headings
      1. <h1> <h2> … <h6>
   3. HTML Paragraph
   4. HTML Links
      1. In this case, has one attribute
   5. HTML Images
      1. Quite a few attributes here
4. HTML Elements
   1. HTML Elements
      1. Some html elements do not have a closing tag. These are called self-closing elements (or empty elements)
      2. <br /> line break
      3. <input /> input (buttons, text boxes, checkboxes, etc..)
      4. <img /> image
      5. <hr /> horizontal rule
      6. <meta /> page metadata
      7. <link /> linked header file.
   2. Nested HTML Elements
      1. You can nest, but you can’t cross
      2. Talk about the idea of scope
   3. Don’t forget the end tag
   4. Must be lowercase
5. HTML attributes
   1. HTML attributes
   2. The lang attribute
   3. The title attribute
   4. The href attribute
   5. Size attributes
   6. The alt attribute
   7. We Suggest: Always use lowercase attributes
   8. We Suggest: Always quote attribute values
      1. Seriously do it
   9. Single or Double Quotes?
      1. Always do double quotes.
   10. Common HTML attributes