A340 - Test 2 Study Guide

Includes everything from Test 1 Study Guide

Unit 1 - Introduction
Unit 2 - HTML
Unit 3 – JavaScript
Review Quiz 1, 2 and 3
Review labs 1 to 12
Review Assignment 1, 2, 3

Unit 4 - CSS
- Inline vs. vs. External Style Sheets
  - Inline
  
  - <p style='font-size:20pt '> this is a test </p>
  - Embedded
  
  - <style> ..... </style>
  - External Style Sheets
  
  - <link rel="stylesheet" type="text/css" href="styles.css">
  - What is a Selector?
  - What is a Declaration?
  - What is an ID selector?
    
    - #style1 { text-align:center; }
    - <p id="style1"> Hello World </p>
  - What is a CLASS selector?
    
    - .center { text-align:center; }
    - <h1 class="center">Center-aligned heading</h1>
  - What is a ELEMENT selector?
    
    - H1 { text-align:center; }
    - <h1>hello world </h1>
  - Conflicting Styles
  - Font: (font-family, font, size, font-weight, font-style, color)
  - Text: (text-shadow, text-decoration, text-align, , etc.)
  - Margin
  - Padding
  - Borders and Boxes: (Rounded corners, border-radius shadow, Color, box-shadow, background-color)
  - Image (borders, opacity, transition, etc.)
  - Multiple column layout (column-count)
  - Positioning (Absolute, Relative, z-index)
  - Background
  - Box model and flow of elements
  - Pseudo-class selectors and event handling (hover, focus, first-line, active, etc.)
    
    - p:hover { color:green;}
  - overflow ( visible, hidden, scroll, auto)
  - Transformation (translate, scale, rotate)

Unit 5 - PHP
- Server-side programming language
- What happens if a undeclared variable is referenced?
- Variables and their data-type (integer, float/double, string, Boolean)
- How do we define constants
- **How do we concatenate strings?**
- **How do we figure out the data-type of a variable?**
- What is the purpose of isset(), and unset()?
- What is the deference between print() and print_r()?
- What is the purpose of implode() and explode() ?
- What is an associative array, how do we create one, and how do we extract its content?
- What is GET, POST, COOKIE, SESSION?
- What is the difference between GET and POST in regards to forms?
- What is the difference between stateful vs. Stateless Sessions?