BIL103E HTML & CSS Topic Headings

Note:
If you don't understand what something in these notes means, it is your job to find out.

- Plain text vs. markup.
- Word processing vs. markup.
- WYSIWYG vs. WYSIWYM.
- HTML:
    - HTML 5.
    - Elements & tags.
        - Tag pairs.
        - Self-closing tags.
        - Tags & nesting of elements.
    - Whitespace (space, tab newline) & HTML.
        - `pre` element.
    - Attributes.
        - `html lang` attribute.
        - `meta charset` attribute
    - Minimal markup.
        - `!doctype, html, title, head, body, meta charset`.
    - Basic Formatting tags:
        - `p, br, h1..h6, em`.
    - Hierarchy:
        - List tags:
            - `ul, ol, li`.
        - Nested lists.
        - Hierarchy depicted as a tree.
            - List hierarchy.
            - Full HTML document hierarchy.
    - Comments in HTML.
    - Hyperlinks:
        - Absolute vs. relative hyperlinks.
        - Anchor tag `a` and `href` attribute.
        - Within-page hyperlinks.
        - `id` attribute.
    - Block vs. inline elements:
        - paragraph, list, tables, headings, `em`, hyperlink.
        - How block & inline elements nest.
    - Including images.
        - Making images into clickable links.
    - Tables:
        - Constructing tables, rows, and individual data cells.

- - - Table heading elements `th`.
    - - Multi-row and multi-column datacells.
  - ○ HTML entities:
    - - Special characters (how to represent <, >, &, ")
    - - Unicode references.
      - • Decimal & hex.
  - ○ Automatic validation of HTML.
  - ○ HTML5 unsupported tags.
    - - font, big, frame, …

- • CSS:
  - ○ Syntax:
    - - Selectors.
    - - Properties: name-value pairs.
  - ○ Including CSS in HTML.
    - - `style` attribute.
    - - `style` tag.
    - - `link` tag & css file.
  - ○ Text styling.
    - - `font-family, font-style, font-size`.
    - - Units: `em, ex, px`.
    - - `text-align, color, background-image, background-color`.
      - • Representing colour & image URLs.
  - ○ Box model & placement.
    - - `width, padding, border, margin`.
    - - `padding-right, margin-right, min-width, max-width`.
    - - `float, clear`.
    - - `border-style, border-width`.
  - ○ `display` property.
  - ○ HTML User structuring tags.
    - - `div, span`.
  - ○ Classes.
    - - Declaration in element attribute.
    - - Use in selectors.
  - ○ Other:
    - - `display` property.
    - - HTML 5 structuring tags:
      - • `header, footer, article, section, nav`.
    - - Units in properties.
      - • e.g. `font-size: 90%; font-size: 1.3ex;` etc.