CSS Lists, Tables, and Forms Notes

1. Overview

- CSS properties target lists (`<ul>`, `<ol>`, `<li>`), tables (`<table>`, `<th>`, `<td>`), forms (`<input>`, `<fieldset>`, `<legend>`).

- Goals: Control bullet styles, table borders/backgrounds, form control appearance for consistency/usability.

2. List Styling

- **list-style-type**: Sets bullet/marker style.

  - Unordered: `none`, `disc`, `circle`, `square`.
  - Ordered: `decimal` (1,2,3), `decimal-leading-zero` (01,02,03), `lower-alpha` (a,b,c), `upper-alpha` (A,B,C), `lower-roman` (i,ii,iii), `upper-roman` (I,II,III).

- **list-style-image**: Image as bullet (e.g., `list-style-image: url("images/star.png")`).

- **list-style-position**: Marker placement.

  - `outside`: Outside text (default).
  - `inside`: Inside, indented.

- **list-style**: Shorthand for type, image, position (e.g., `list-style: inside circle`).

- **margin**: Vertical spacing (e.g., `margin: 10px 0px`).

3. Table Styling

- **width**: Table width (e.g., `width: 600px`).

- **padding**: Cell spacing (e.g., `padding: 7px 10px`).

- **text-transform**: Uppercase headers (e.g., `text-transform: uppercase`).

- **letter-spacing**,

- **font-size**: Header style (e.g., `letter-spacing: 0.1em; font-size: 90%`).

- **border-top**,

- **border-bottom**: Header borders (e.g., `border-bottom: 2px solid #111111`).

- **text-align**: Align content (e.g., `text-align: right` for numbers).

- **background-color**: Shade rows (e.g., `tr.even { background-color: #efefef }`).

- **:hover**: Highlight rows (e.g., `tr:hover { background-color: #e3e6e5 }`).

- **empty-cells**: Empty cell borders (`show`, `hide`, `inherit`).

- **border-spacing**: Cell gaps (e.g., `border-spacing: 5px 15px`).

- **border-collapse**: Merge borders (`collapse`) or separate (`separate`).

- **Design Tips**:

  - Padding for readability.
  - Bold/uppercase headers.

– Subtle row shading.

– Right-align numbers.

4. Form Styling

- **Text Inputs**:
  - `font-size`, `color`, `background-color`: Text style (e.g., `font-size: 120%; color: #5a5854`).
  - `border`, `border-radius`: Borders, corners (e.g., `border: 1px solid #bdbdbd; border-radius 5px`).
  - `padding`: Spacing (e.g., `padding: 5px 5px 5px 30px`).
  - `background-image`: Icons (e.g., `background-image: url("images/email.png")`).
  - `:focus`, `:hover`: Interaction styles (e.g., `background-color: #ffffff`).
- **Submit Buttons**:
  - `color`, `text-shadow`: Text style (e.g., `color: #444444; text-shadow: 0px 1px 1px #ffffff`).
  - `border-bottom`: 3D effect (e.g., `border-bottom: 2px solid #b2b2b2`).
  - `background-color`, gradients: Appearance (e.g., `background: -webkit-gradient(...)`).
  - `:hover`: Hover style (e.g., `background-color: #a0dbc4`).
- **Fieldsets & Legends**:
  - `width`, `border`, `border-radius`: Fieldset style (e.g., `width: 350px; border-radius: 10px`).
  - `background-color`, `padding`: Legend style (e.g., `background-color: #efefef; padding: 10px 20px`).
  - `text-transform`: Uppercase legend (e.g., `text-transform: uppercase`).
- **Aligning Controls**:
  - Problem: Misaligned labels.
  - Solution: `float: left`, fixed `width` (e.g., `width: 100px`), `text-align: right`, `padding`.
  - Use `<div>` for row spacing (e.g., `margin: 10px`).
- **cursor**: Cursor style (e.g., `cursor: pointer`).
- **Cross-Browser Consistency**: Use Formalize (http://formalize.me).
- **Design Tips**:
  - Vertical alignment for usability.
  - Interactive styles for feedback.
  - Consistent submit buttons.

5. Web Developer Toolbar

- Firefox/Chrome extension (www.chrispederick.com/work/web-developer).
- Shows CSS styles, HTML structure, element outlines; supports screen size changes, validation.

6. Example Application

- **List**: Poetry events with image bullets, increased line height.

- **Table**: Workshop schedule, no cell gaps, shaded rows, rounded headers.

- **Form**: Registration, styled fieldset, aligned controls, interactive inputs, prominent submit button.

7. Summary

- **Lists**: Control markers with `list-style-type`, `list-style-image`, `list-style-position`.

- **Tables**: Manage borders, spacing with `border-spacing`, `border-collapse`, `empty-cells`.

- **Forms**: Align controls, style inputs, enhance interactivity.

- CSS ensures consistency and improves user experience.