Web Development Assignment

Research Task

* CSS Units: px, em, rem.

1. px (Pixel): Fixed-size units (best for borders, print layouts).
2. Em: Relative to the parent element’s font size (e.g., 2em = 2 × parent’s font size). Best for scalable layouts like buttons.
3. Rem: Relative to the root (<html>) font size (default = 16px). Best for consistent spacing/fonts across the page.

* HTML Audio and Video Tags

1. Video Tag (<video>)

<video width="300" height="250" controls>

<source src="movie.mp4" type="video/mp4">

<source src="movie.ogg" type="video/ogg">

Video name

</video>

Controls: Adds play/pause/volume buttons.

<source>: Provides multiple formats (MP4, Ogg, WebM) for compatibility.

1. Audio Tag (<audio>)

<audio controls>

<source src="my-song.mp3" type="audio/mp3">

Audio name

</audio>

controls: Shows play/pause/volume buttons

Naming files: Helps users identify content if media fails to load.

* Web Accessibility & How to Improve It

**Definition**: Making websites usable for everyone (e.g., screen readers, keyboard users, low-vision users).

**How to Improve**:

1. **Use semantic HTML** (e.g., <button>, not <div onclick="">).
2. **Add alt text to images**:

<img src="logo.png" alt="Company Logo">

1. **Test keyboard navigation** (Can you use Tab to navigate?).
2. **Avoid low-contrast text** (e.g., light gray on white).