Web Engineering & Development (SWE 363)

3.2 CSS Properties

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Announcements 📢

- Phase 2 added

- Grading started

In today's Lecture:

- Color: background, text

- Display: block, inline, inline-block

- Font: size, weight, family

- Text: alignment, decoration, transform

- Box model: border, padding, margin

- Flexbox: display, flex-direction, justify-content, align-items

- Positioning: static, relative, absolute, fixed, z-index

Reference:

- Zybook: 3.4 to 3.8

Inspirational Websites

https://www.awwwards.com/

https://www.producthunt.com/

https://www.raycast.com

CSS Variables Local Vs Global

Color Systems

Named → easy keywords.

HEX → classic web format.

RGB(A) → direct red/green/blue values.

HSL(A) → intuitive hue/saturation/lightness.

HWB → intuitive for mixing white & black.

color() → modern color spaces for wide-gamut displays.

Box model

```css
div {
  width: 200px;
  padding: 20px;
  border: 5px solid red;
}

/* Default box-sizing: content-box
  box-sizing: border-box;

*/
```

Flexbox

```html
<nav>
  <ul>
    <li><a href="index.html">Home</a></li>
    <li><a href="products.html">Products</a></li>
    <li><a href="about.html">About</a></li>
  </ul>
</nav>
```

```css
nav ul {
  display: flex;
  list-style-type: none;
  padding: 0;
}
```

```css
nav li {
  flex-grow: 1;
  background-color: gold;
  text-align: center;
}
```

```css
nav li {
  flex-basis: 100px;
  flex-shrink: 0;
  background-color: gold;
  text-align: center;
}
```

Home Products About

| Home | Products | About |

| Home | Products | Abo |

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Demo

Starter code at: web-engineering-kfupm-classroom-3-2-css-properties/

Next Class

- JS