



Live Cohort

Notes Day 6



Day 4 : Responsive with CSS

Responsive Design

Mobile-First Approach

Purpose: Prioritizes mobile user experience, improves performance, and keeps the codebase cleaner.

Techniques:

- Start styling for mobile devices first, without media queries.
- Use @media (min-width: value) for larger screen styles.

Example:

```
body {  
    font-size: 16px;  
    padding: 10px;  
}  
  
@media (min-width: 768px) {  
    body {  
        font-size: 18px;  
        padding: 20px;  
    }  
}
```

Day 4 : Responsive with CSS

Responsive Design

@media Queries

Purpose: Apply styles dynamically based on screen width or other device characteristics.

Techniques:

- @media (min-width: value): Styles apply for screens wider than the given value.
- @media (max-width: value): Styles apply for screens narrower than the given value.
- Define breakpoints as SCSS variables for better maintainability.

Example:

```
$breakpoint-tablet: 768px;

.container {
  width: 100%;
}

@media (min-width: $breakpoint-tablet) {
  .container {
    width: 80%;
  }
}
```

Day 4 : Responsive with CSS

Responsive Design

Grid

Purpose: Provides two-dimensional layouts with rows and columns for complex designs.

Techniques:

- display: grid;
- grid-template-columns: repeat(3, 1fr);
- grid-gap: 10px;

Example:

```
.container {  
    display: grid;  
    grid-template-columns: repeat(3, 1fr);  
    grid-gap: 10px;  
}
```



Project Exercise 6

Responsive Photo Gallery with CSS Grid



Project Exercise 6: Responsive Photo Gallery with CSS Grid

Description:

Build a responsive product showcase webpage using HTML and CSS Grid. The layout should adapt to different screen sizes, displaying products in a grid that adjusts the number of columns on phones, tablets, and desktops. Use CSS Grid, media queries, and relative units to ensure a seamless user experience across all devices, following a mobile-first approach.

Hint:

Mobile First: Style for phones first, then use media queries for larger screens.

Grid-template-columns is Key: Use `repeat(auto-fit, minmax(..., 1fr))` for responsive columns.

Media Queries for Breakpoints: Use `min-width` media queries for tablets (768px+) and desktops (1024px+). Adjust `grid-template-columns` inside them.

Relative Units: Use %, rem, em, vh, vw for sizing, not just px.

Test Responsively: Use browser dev tools (device toolbar) to test on different screen sizes.

Project Exercise 6: Responsive Photo Gallery with CSS Grid

Desktop View

Product Showcase
Explore our amazing products!



Awesome Gadget X
A super cool gadget for tech lovers.
\$99.99



Stylish T-Shirt
Comfortable and trendy t-shirt for everyday wear.
\$24.99



Cozy Coffee Mug
Enjoy your morning coffee in this beautiful mug.
\$12.50



Ergonomic Mouse
Work comfortably with this ergonomic mouse.
\$35.00



Wireless Headphones
Enjoy music on the go with these wireless headphones.
\$75.00



Leather Wallet
A classic and durable leather wallet.
\$45.00

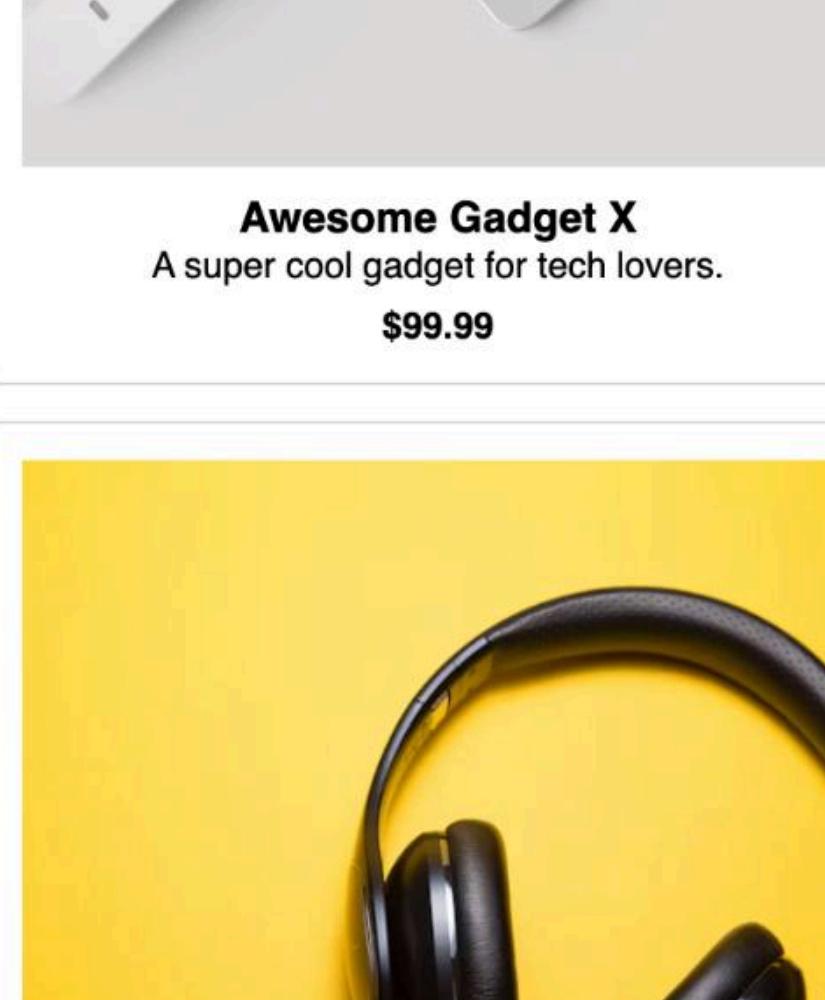
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Project Exercise 6: Responsive Photo Gallery with CSS Grid

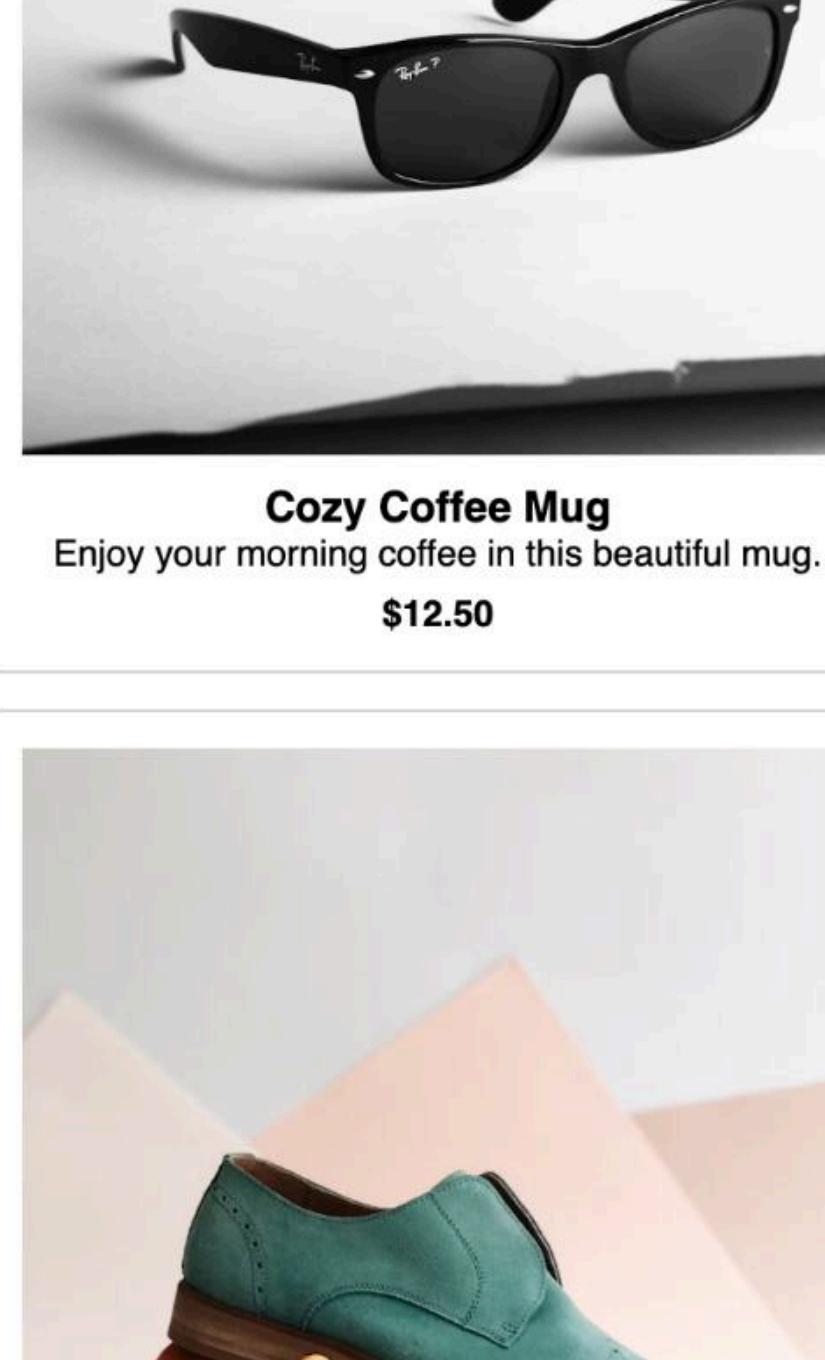
Mobile View

Product Showcase

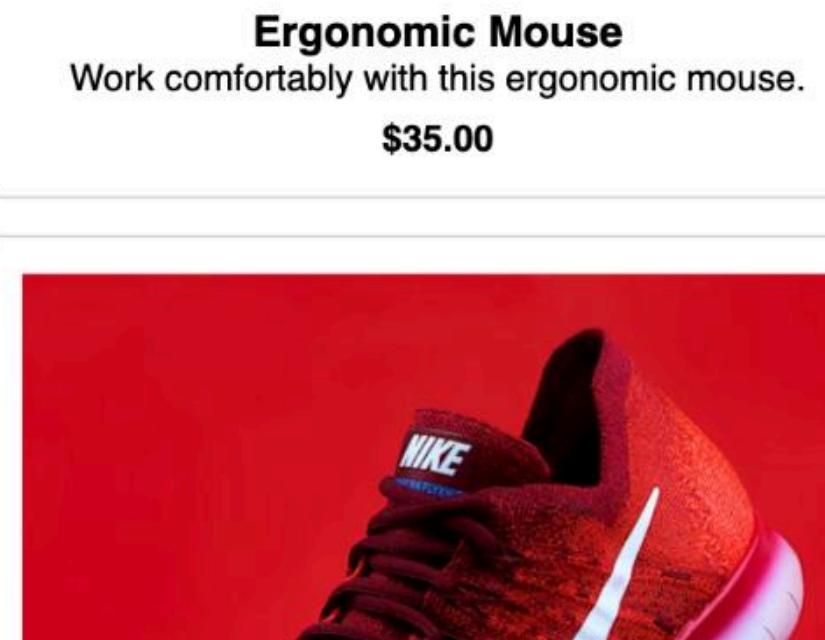
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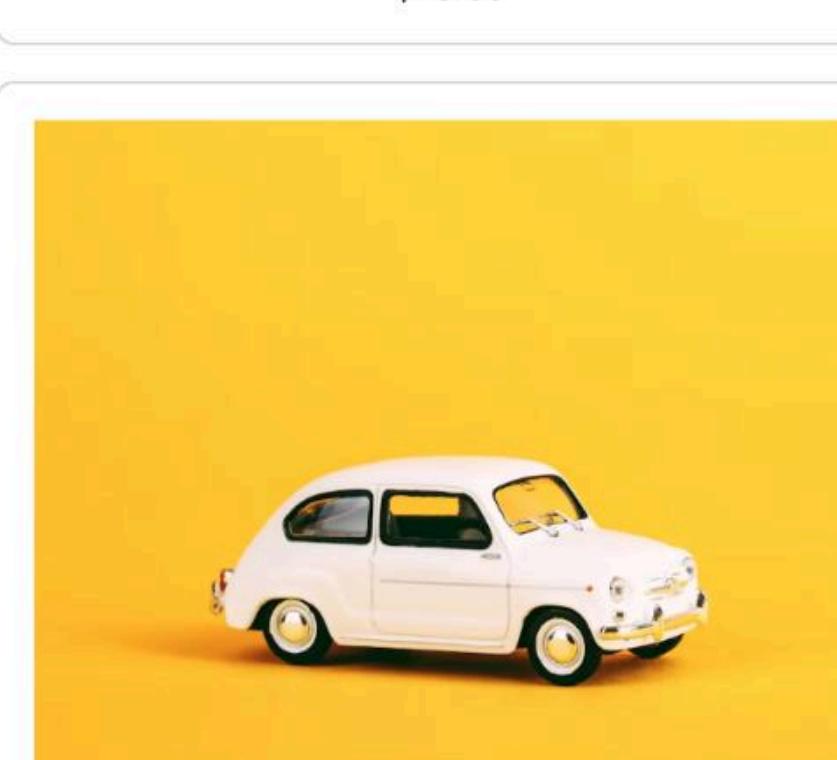
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