

# Module 1 - Front-End Web Development

## HTML/CSS Exercise

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### Overview

Create an interactive product showcase using CSS animations, transforms, and transitions.

### Instructions:

**1. Create two files:**

- products.html
- style.css

**2. HTML Requirements:**

- Hero section with animated background
- Featured product cards (minimum 6)
- Animated navigation menu
- Loading animations

**3. CSS Requirements:**

- Animations:
  - Create loading spinner animation
  - Implement slide-in animations for products
  - Add hover animations for cards
  - Create pulse animation for CTA buttons
- Transforms:
  - Scale transform on hover
  - Rotate transform for icons
  - Skew transform for decorative elements
  - Translate transform for sliding animations
- Transitions:
  - Smooth color transitions
  - Size transitions
  - Position transitions
  - Opacity transitions

**4. Additional Requirements:**

- Use @keyframes for custom animations
- Implement animation-delay for sequence effects
- Add animation-play-state for hover pausing
- Use transform-origin for custom rotation points

### Submission:

After completing your code, upload your files to the LMS. Display the webpage in your browser and demonstrate your working solution to your lecturer for review.