

# Midterm Project

## Dream Space Personal Website

### Goal

This midterm project extends what you have learned in **Lab 1-4**.

You will design your own creative personal website, combining multiple pages, image effects, and JavaScript interactivity.

Your website can represent anything imaginative — a *fantasy city, space world, dream workshop, or personal utopia* — as long as you express your creativity through HTML, CSS, and JavaScript. Make all your webpages

### Restriction

- Use **only HTML, CSS, and JavaScript**.
- Publish your website and provide your URL.
- **Do not** use any external libraries, frameworks, tools, AI generators, or APIs.

**The project should fulfill the requirements below, but you are encouraged to go beyond them with your own imagination and creative ideas.**

### Requirements

1. **Multi-page Structure (based on Lab 2)**
  - a. Create **at least five pages**; e.g., Home, About, Gallery, Showcase, and Contact.
  - b. Every page must include the **same navigation bar (navbar)** with consistent style.
  - c. The current page should be visually highlighted (for example, using an “**active**” class).
  - d. **All pages must have a consistent design style. Each page should share the same color theme, typography, and layout elements so that the whole website looks unified.**
  - e. All pages should share one single CSS file (style.css) for theme and layout.
  - f. At least **one page** must use a **two-column layout**:
    - Left column → profile section (photo, name, email)
    - Right column → main content
2. **Image Interaction (based on Lab 3)**
  - a. **Hover Overlay Effect**

- In the *Gallery* page, use two transparent PNG images.
- When hovering, the second image should fade in and display a **semi-transparent (50%) text box** at the bottom (around 15% of the image height).

#### a. Image Map

- On at least one image, define a **polygon (poly) clickable area**.
- Clicking the region should open another page (for example, clicking the face links to the About page).

### 3. JavaScript Interaction Page (based on Lab 4)

Create these two interactive components on your *Showcase* page:

#### 1. Table Styler

- Include a  $3 \times 3$  table and several control buttons to:
  - Change table width (200px / 500px)
  - Change border width and cell spacing (1px / 10px / 20px)
  - Change table background color (without affecting `<th>` cells)
  - Reset to the original style
- All JavaScript code must be in an external file (script.js).

#### 2. Polaroid Image Switcher

- Display images in a Polaroid-style frame.
- Use **Previous / Next** buttons to switch between **five images**.
- Show a text counter (e.g., “*Image 2 of 5*”) under the photo.
- The images should loop cyclically.

### 4. Canvas Creative Challenge (Bonus)

1. Design a simple **Canvas artwork** that fits your “Dream Space” theme — for example, a moonlight city, galaxy, or fantasy landscape.
2. The drawing should include:
  - A gradient background (sky, ocean, or space)
  - At least three shapes (rectangles, circles, arcs, etc.)
  - One decorative detail (stars, lights, or title text)