

# 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 3×3 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)