Task 12: Build an Image Gallery with Modal Popup

Tools:

- Primary: VS Code, JavaScript, CSS
- Alternatives: CodePen

Hints / Mini Guide:

1. Create a grid-based image gallery using HTML and CSS.
2. Add click event listeners to each image thumbnail using JavaScript.
3. Create a hidden modal element that will display the enlarged image.
4. Dynamically update modal content based on the clicked image.
5. Implement open and close functionality using JavaScript.
6. Add background overlay to focus user attention on modal.
7. Prevent background scrolling when modal is open.
8. Add keyboard support (ESC key) to close modal.
9. Test accessibility and responsiveness thoroughly.

Deliverables:

- Interactive image gallery
- Smooth modal popup experience

Interview Questions Related To Above Task:

- What is a modal?
- How do you prevent background interaction?
- Why use event listeners?
- What is z-index?
- How to improve accessibility in modals?

📌 **Task Submission Guidelines**

- ⏰ **Time Window:**

 Youcan complete the task anytime between 10:00 AM to 10:00 PM on the given day. Submission link closes at 10:00 PM

- 🔍 **Self-Research Allowed:**

 Youare free to explore, Google, or refer to tutorials to understand concepts and complete the task effectively.

- 🛠️ **Debug Yourself:**

 Tryto resolve all errors by yourself. This helps you learn problem-solving and ensures you don't face the same issues in future tasks.

- 💸 **No Paid Tools:**

 Ifthe task involves any paid software/tools, do not purchase anything. Just learn the process or find free alternatives.

- 📁 **GitHub Submission:**

Create a new GitHub repository for each task.

Add everything you used for the task — code, datasets, screenshots (if any), and a short README.md explaining what you did.

📤 **Submit Here:**

 After completing the task, paste your GitHub repo link and submit it using the link below:

- 👉 [Submission Link]

⭐⭐⭐⭐⭐