Assignment

Learner Details

- **Name: Nikhil k**

- **Enrollment Number: SU625MR004**

- **Batch / Class: June 2025 MERN**

- **Assignment: Photo Album Project**

- **Date of Submission: 10/07/2025**

Problem Solving Activity

1. Program Statement

Create a photo album website containing 20 images displayed on the homepage in a grid layout. Each image links to a separate detail page showing a larger version of the image with its title and description, and an option to navigate back to the main album.

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2. Algorithm

1. Create the homepage (index.html) with a header and a main container for images.

2. Add 20 images inside anchor (<a>) tags that link to their respective detail pages.

3. For each detail page:

   o   Display the image title in <h1>.

   o   Show the image in larger size.

   o   Include a short descriptive paragraph.

   o   Provide a "Back to Album" link to return to the main page.

4. Link CSS files to style the layout and maintain consistency.

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3. Pseudocode

START

CREATE main page with header "My Photo Album"

FOR each image from 1 to 20

ADD <a> tag linking to its detail page

INSERT <img> inside the <a>

END FOR

FOR each image detail page

DISPLAY title and image

DISPLAY description

ADD "Back to Album" link

END FOR

END

4. Program Code

```html
<!DOCTYPE html>
<html lang="en">
<head>
 <meta charset="UTF-8">
 <meta name="viewport" content="width=device-width, initial-scale=1.0">
 <title>My Photo Album</title>
 <link rel="stylesheet" href="style.css">
</head>
<body>
 <header>
   <h1>My Photo Album</h1>
 </header>
```

```html
<main class="album">

  <a href="pages/photo1.html"><img src="images/photo1.jpg" alt="Photo 1"></a>

  <a href="pages/photo2.html"><img src="images/photo2.jpg" alt="Photo 2"></a>

  <a href="pages/photo3.html"><img src="images/photo3.jpg" alt="Photo 3"></a>

  <a href="pages/photo4.html"><img src="images/photo4.jpg" alt="Photo 4"></a>

  <a href="pages/photo5.html"><img src="images/photo5.jpg" alt="Photo 5"></a>

  <a href="pages/photo6.html"><img src="images/photo6.jpg" alt="Photo 6"></a>

  <a href="pages/photo7.html"><img src="images/photo7.jpg" alt="Photo 7"></a>

  <a href="pages/photo8.html"><img src="images/photo8.jpg" alt="Photo 8"></a>

  <a href="pages/photo9.html"><img src="images/photo9.jpg" alt="Photo 9"></a>

  <a href="pages/photo10.html"><img src="images/photo10.jpg" alt="Photo 10"></a>

  <a href="pages/photo11.html"><img src="images/photo11.jpg" alt="Photo 11"></a>

  <a href="pages/photo12.html"><img src="images/photo12.jpg" alt="Photo 12"></a>

  <a href="pages/photo13.html"><img src="images/photo13.jpg" alt="Photo 13"></a>

  <a href="pages/photo14.html"><img src="images/photo14.jpg" alt="Photo 14"></a>

  <a href="pages/photo15.html"><img src="images/photo15.jpg" alt="Photo 15"></a>

  <a href="pages/photo16.html"><img src="images/photo16.jpg" alt="Photo 16"></a>

  <a href="pages/photo17.html"><img src="images/photo17.jpg" alt="Photo 17"></a>

  <a href="pages/photo18.html"><img src="images/photo18.jpg" alt="Photo 18"></a>

  <a href="pages/photo19.html"><img src="images/photo19.jpg" alt="Photo 19"></a>

  <a href="pages/photo20.html"><img src="images/photo20.jpg" alt="Photo 20"></a>
 </main>
</body>
</html>
```

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8" />

  <meta name="viewport" content="width=device-width, initial-scale=1.0"/>

  <title>Photo 1</title>

  <link rel="stylesheet" href="../pages/photo.css" />

</head>

<body>

  <div class="container">

    <h1>Photo 1: Abstract Flow</h1>

    <img src="../images/photo1.jpg" alt="Photo 1" />

    <div class="description">

      <p>A stunning abstract painting with vivid swirls of blue, orange, and yellow evoking
motion and emotion.</p>

    </div>

    <a href="../index.html" class="back-btn">← Back to Album</a>

  </div>

</body>

</html>
```

5. Test Cases

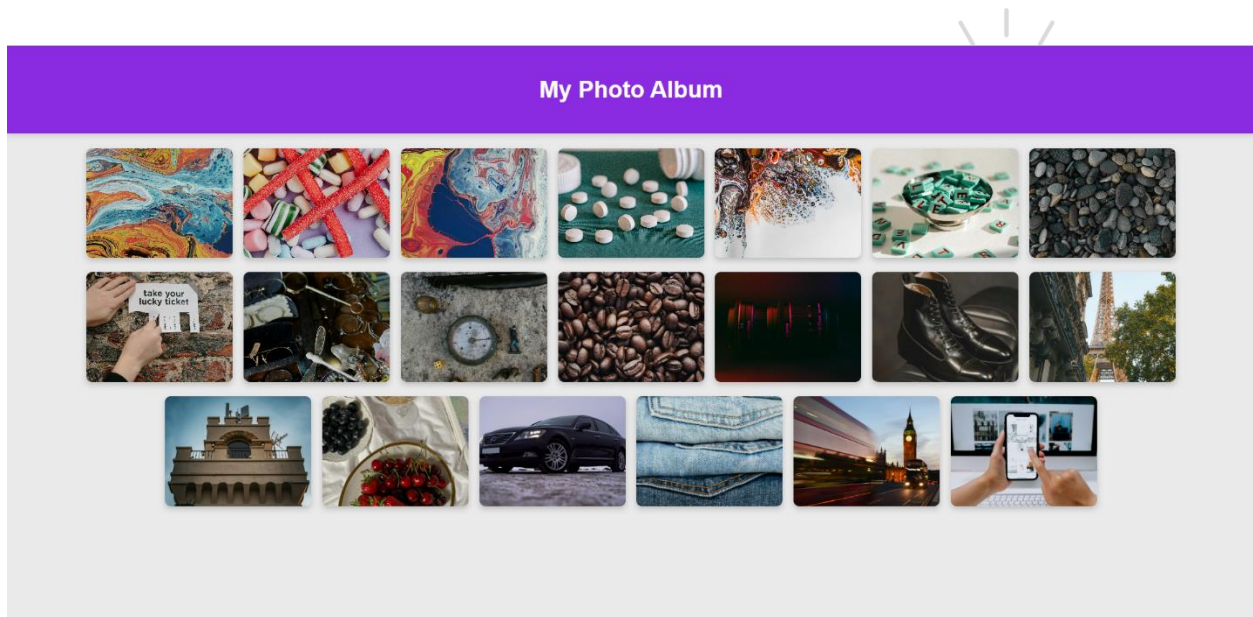| Action	Expected Result
Click on an image on homepage	Opens the corresponding detail page
Click "Back to Album"	Returns to the homepage
Image missing in folder	Displays alt text instead of the image
Resize browser	Images rearrange or scale based on CSS responsiveness

6. Screenshots of Output

Photo 1: Abstract Flow

A stunning abstract painting with vivid swirls of blue, orange, and yellow evoking motion and emotion.

← Back to Album

7. Observation / Reflection

- I learned how to link multiple HTML pages together for navigation.

- Creating individual detail pages for each image improved my understanding of page structuring.

- Using a consistent layout and style across pages made the project look more professional.