<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Automated Pollen Classification</title>

<style>

body {

font-family: Arial, sans-serif;

margin: 0;

padding: 0;

background-color: #f4f4f4;

color: #333;

}

header {

background-color: #4CAF50;

color: white;

padding: 1em 0;

text-align: center;

}

nav {

display: flex;

justify-content: center;

background-color: #333;

}

nav a {

color: white;

padding: 14px 20px;

text-decoration: none;

text-align: center;

}

nav a:hover {

background-color: #ddd;

color: black;

}

.container {

padding: 20px;

margin: 0 auto;

max-width: 1200px;

background-color: white;

box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);

margin-top: 20px;

}

.pollen-grid {

display: grid;

grid-template-columns: repeat(auto-fit, minmax(250px, 1fr));

gap: 20px;

margin-top: 20px;

}

.pollen-item {

border: 1px solid #ccc;

padding: 15px;

text-align: center;

background-color: #fff;

box-shadow: 0 2px 5px rgba(0, 0, 0, 0.1);

}

.pollen-item img {

max-width: 100%;

height: 150px; /\* Fixed height for consistency \*/

object-fit: cover; /\* Ensures image covers the area, cropping if necessary \*/

margin-bottom: 10px;

}

.pollen-item h3 {

margin-top: 0;

color: #4CAF50;

}

a{

text-decoration: none;

color: #4CAF50;

}

</style>

</head>

<body>

<header>

<h1>Automated Pollen Grain Classification</h1>

</header>

<nav>

<a href="#home" id="homeLink">Home</a>

<a href="#pollenDatabase" id="pollenDatabaseLink">Pollen Database</a>

</nav>

<div class="container" id="homeSection">

<h2>Welcome to the Automated Pollen Classification System</h2>

<p>This platform aims to provide an automated solution for classifying various pollen grains. Explore our database to learn more about different pollen types, their characteristics, and their significance.</p>

<p>Our system uses advanced image processing and machine learning techniques to accurately identify pollen grains, assisting researchers, allergists, and environmental scientists.</p>

<p>Navigate to the "Pollen Database" section to view our collection of pollen samples.</p>

</div>

<div class="container" id="pollenDatabaseSection" style="display:none;">

<h2>Pollen Database</h2>

<p>Explore the different types of pollen grains in our collection. Click on each image for more details (future feature).</p>

<div class="pollen-grid">

<div class="pollen-item">

<img src="pine2.jpg" alt="Pine Pollen">

<h3><a href="pine.html">Pine Pollen</a></h3>

<p>Commonly found, large, and winged pollen grains.</p>

</div>

<div class="pollen-item">

<img src="sunflower.jpg" alt="Sunflower Pollen">

<h3><a href="sunflower.html">Sunflower Pollen</a></h3>

<p>A major cause of allergies, spherical and spiny.</p>

</div>

<div class="pollen-item">

<img src="Oak.jpeg" alt="Oak Pollen">

<h3><a href="oak.html">Oak Pollen</a></h3>

<p>Abundant, typically smooth and spherical to ovoid.</p>

</div>

<div class="pollen-item">

<img src="birch.jpeg" alt="Birch Pollen">

<h3><a href="brich.html">Birch Pollen</a></h3>

<p>Small, with three pores, common allergen.</p>

</div>

<div class="pollen-item">

<img src="grass.jpeg" alt="Grass Pollen">

<h3><a href="grass.html">Grass Pollen</a></h3>

<p>Diverse shapes, a significant source of hay fever.</p>

</div>

<div class="pollen-item">

<img src="maple.jpg" alt="Maple Pollen">

<h3><a href="maple.html">Maple Pollen</a></h3>

<p>Oval or spherical with distinct furrows.</p>

</div>

</div>

</div>

<script>

document.getElementById('homeLink').addEventListener('click', function(event) {

event.preventDefault();

document.getElementById('homeSection').style.display = 'block';

document.getElementById('pollenDatabaseSection').style.display = 'none';

});

document.getElementById('pollenDatabaseLink').addEventListener('click', function(event) {

event.preventDefault();

document.getElementById('homeSection').style.display = 'none';

document.getElementById('pollenDatabaseSection').style.display = 'block';

});

// Initialize display on page load

document.addEventListener('DOMContentLoaded', function() {

document.getElementById('homeSection').style.display = 'block';

document.getElementById('pollenDatabaseSection').style.display = 'none';

});

</script>

</body>

</html>