<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<title>Automated Pollen Grains Prediction</title>

<style>

body {

font-family: Arial, sans-serif;

background: #f9f9f9;

padding: 20px;

}

h1 {

text-align: center;

color: #2c3e50;

}

.container {

background: #fff;

padding: 30px;

border-radius: 10px;

max-width: 700px;

margin: auto;

box-shadow: 0 5px 15px rgba(0,0,0,0.1);

}

.upload-section {

text-align: center;

margin-bottom: 20px;

}

input[type="file"] {

padding: 10px;

margin-top: 10px;

}

.predict-btn {

background-color: #3498db;

color: white;

border: none;

padding: 10px 20px;

cursor: pointer;

border-radius: 5px;

margin-top: 15px;

}

.image-preview {

margin-top: 20px;

text-align: center;

}

.image-preview img {

max-width: 300px;

max-height: 300px;

border: 2px solid #ddd;

border-radius: 5px;

}

.result-section {

text-align: center;

margin-top: 20px;

}

.prediction {

font-size: 1.2em;

color: #27ae60;

}

</style>

</head>

<body>

<h1>Automated Pollen Grains Prediction</h1>

<div class="container">

<div class="upload-section">

<p>Select a microscope image of pollen grains:</p>

<input type="file" id="imageUpload" accept="image/\*" onchange="previewImage(event)">

<br>

<button class="predict-btn" onclick="predictPollen()">Predict</button>

</div>

<div class="image-preview">

<p><strong>Image Preview:</strong></p>

<img id="preview" src="https://upload.wikimedia.org/wikipedia/commons/thumb/3/38/Pollen\_2010\_G1.jpg/800px-Pollen\_2010\_G1.jpg" alt="Pollen Preview">

</div>

<div class="result-section" id="result">

<!-- Prediction output will appear here -->

</div>

</div>

<script>

function previewImage(event) {

const preview = document.getElementById('preview');

const file = event.target.files[0];

if (file) {

preview.src = URL.createObjectURL(file);

}

}

function predictPollen() {

const resultDiv = document.getElementById('result');

const fileInput = document.getElementById('imageUpload');

if (!fileInput.files.length) {

resultDiv.innerHTML = "<p>Please upload an image first.</p>";

return;

}

// Simulated prediction result (replace with backend logic)

resultDiv.innerHTML = `

<p class="prediction">

<strong>Prediction:</strong> Birch Pollen <br>

<strong>Confidence:</strong> 88%

</p>`;

}

</script>

</body>

</html>