```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Piano for Beginners</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      margin: 0;
      padding: 0;
      background-color: #f8f8f8;
      text-align: center;
    }
    header {
      background-color: #4CAF50;
      color: white;
       padding: 20px;
      font-size: 24px;
    .content {
       padding: 20px;
    }
    .lesson, .exercise, .test, .song {
       background: white;
      padding: 15px;
      margin: 10px auto;
      width: 80%;
       max-width: 600px;
       border-radius: 5px;
      box-shadow: 0px 0px 10px rgba(0, 0, 0, 0.1);
    }
    footer {
      margin-top: 20px;
      padding: 10px;
      background-color: #4CAF50;
      color: white;
    }
```

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</style>
</head>
<body>
  <header>
    Learn to Play Piano
  </header>
  <div class="content">
    <div class="lesson">
      <h2>Lesson 1: Introduction to the Piano</h2>
      Learn the layout of the keyboard and the names of the keys.
    </div>
    <div class="exercise">
      <h2>Exercise 1: Identify the Keys</h2>
      Try to find and name all the white and black keys on a piano or keyboard.
    </div>
    <div class="test">
      <h2>Test 1: Key Recognition</h2>
      Click the correct key when prompted.
      <button onclick="alert('Correct!')">C</button>
      <button onclick="alert('Try again!')">D</button>
    </div>
    <div class="lesson">
      <h2>Lesson 2: Basic Finger Exercises</h2>
      Start with simple exercises to improve finger dexterity.
    </div>
    <div class="exercise">
      <h2>Exercise 2: Five-Finger Scale</h2>
      Practice playing a C major five-finger scale with your right and left hands.
    </div>
    <div class="test">
      <h2>Test 2: Play a Scale</h2>
      The website will listen and check if you are playing the correct scale.
      <button onclick="setupAudioRecognition()">Start Listening</button>
    </div>
    <div class="lesson">
      <h2>Lesson 3: Playing Simple Songs</h2>
      Learn to play "Twinkle Twinkle Little Star" and other simple melodies.
    </div>
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<div class="exercise">
      <h2>Exercise 3: Play a Simple Melody</h2>
      Use your right hand to play "Mary Had a Little Lamb" slowly and steadily.
    </div>
    <div class="song">
      <h2>Song: Twinkle Twinkle Little Star</h2>
      Follow the notes and try to play along!
    </div>
  </div>
  <footer>
    © 2025 LearnPiano. All rights reserved.
  </footer>
  <script>
    async function setupAudioRecognition() {
      if (!navigator.mediaDevices || !navigator.mediaDevices.getUserMedia) {
         console.error('Microphone access is not supported in this environment.');
         alert('Your browser does not support microphone access. Try using Google Chrome or
checking browser settings.');
         return;
      }
      try {
         const permissionStatus = await navigator.permissions.query({ name: 'microphone' });
         if (permissionStatus.state === 'denied') {
           alert('Microphone access has been blocked. Please enable it in your browser settings.');
           return;
         }
         const stream = await navigator.mediaDevices.getUserMedia({ audio: true });
         const audioContext = new (window.AudioContext || window.webkitAudioContext)();
         const microphone = audioContext.createMediaStreamSource(stream);
         const analyser = audioContext.createAnalyser();
         analyser.fftSize = 2048;
         microphone.connect(analyser);
         const bufferLength = analyser.frequencyBinCount;
         const dataArray = new Uint8Array(bufferLength);
```

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function detectNotes() {
           analyser.getByteFrequencyData(dataArray);
           console.log('Captured audio frequencies:', dataArray);
           requestAnimationFrame(detectNotes);
         }
         detectNotes();
      } catch (error) {
         console.error('Error accessing microphone:', error);
         if (error.name === 'NotAllowedError') {
           alert('Microphone access was denied. Please check your browser settings and allow
microphone access.');
         }
      }
    }
    document.addEventListener('DOMContentLoaded', () => {
      const micPermissionButton = document.createElement('button');
      micPermissionButton.innerText = 'Enable Microphone';
      micPermissionButton.onclick = setupAudioRecognition;
      document.body.appendChild(micPermissionButton);
    });
  </script>
</body>
</html>
```