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<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-
scale=1.0">
  <title>Gemini Grammar Coach</title>
  <script src="https://cdn.jsdelivr.net/npm/marked/
marked.min.js"></script>
  <style>
    :root {
      --primary-color: #4285f4;
      --secondary-color: #34a853;
      --accent-color: #ea4335;
      --light-color: #f8f9fa;
      --dark-color: #202124;
      --gray-color: #5f6368;
    }

    * {
      box-sizing: border-box;
      margin: 0;
      padding: 0;
    }

    body {
      font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-
serif;
      line-height: 1.6;
      background-color: #f5f5f5;
      color: var(--dark-color);
      padding: 20px;
    }

    .container {
      max-width: 800px;
      margin: 0 auto;
      background: white;
      border-radius: 12px;
      box-shadow: 0 4px 20px rgba(0, 0, 0, 0.1);
      overflow: hidden;
    }

    header {
      background: linear-gradient(135deg, var(--primary-
color), var(--secondary-color));
      color: white;
      padding: 25px;
      text-align: center;
    }

    h1 {
      font-size: 2.2rem;
      margin-bottom: 10px;

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}

.tagline {
    font-size: 1.1rem;
    opacity: 0.9;
}

.main-content {
    padding: 25px;
}

.input-section {
    margin-bottom: 25px;
}

label {
    display: block;
    margin-bottom: 8px;
    font-weight: 600;
    color: var(--gray-color);
}

textarea {
    width: 100%;
    min-height: 150px;
    padding: 15px;
    border: 1px solid #ddd;
    border-radius: 8px;
    font-size: 1rem;
    resize: vertical;
    transition: border 0.3s;
}

textarea:focus {
    outline: none;
    border-color: var(--primary-color);
    box-shadow: 0 0 0 2px rgba(66, 133, 244, 0.2);
}

button {
    background-color: var(--primary-color);
    color: white;
    border: none;
    padding: 12px 24px;
    border-radius: 8px;
    font-size: 1rem;
    font-weight: 600;
    cursor: pointer;
    transition: all 0.3s;
    display: inline-flex;
    align-items: center;
    gap: 8px;
}

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button:hover {
  background-color: #3367d6;
  transform: translateY(-2px);
}

button:disabled {
  background-color: #cccccc;
  cursor: not-allowed;
  transform: none;
}

.output-section {
  margin-top: 30px;
}

.output-title {
  display: flex;
  align-items: center;
  gap: 10px;
  margin-bottom: 15px;
  color: var(--gray-color);
}

.output-content {
  background-color: #f8f9fa;
  border-radius: 8px;
  padding: 20px;
  min-height: 150px;
  border: 1px solid #eee;
}

.loading {
  display: none;
  text-align: center;
  margin: 20px 0;
}

.spinner {
  border: 4px solid rgba(0, 0, 0, 0.1);
  border-radius: 50%;
  border-top: 4px solid var(--primary-color);
  width: 30px;
  height: 30px;
  animation: spin 1s linear infinite;
  margin: 0 auto;
}

@keyframes spin {
  0% { transform: rotate(0deg); }
  100% { transform: rotate(360deg); }
}

footer {
  text-align: center;
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        padding: 20px;
        color: var(--gray-color);
        font-size: 0.9rem;
        border-top: 1px solid #eee;
    }

    .error-message {
        color: var(--accent-color);
        background-color: rgba(234, 67, 53, 0.1);
        padding: 10px;
        border-radius: 5px;
        margin-top: 10px;
        display: none;
    }

    @media (max-width: 600px) {
        .container {
            border-radius: 0;
        }

        body {
            padding: 0;
        }

        header {
            padding: 20px 15px;
        }

        h1 {
            font-size: 1.8rem;
        }
    }
</style>
</head>
<body>
    <div class="container">
        <header>
            <h1>Gemini Grammar Coach</h1>
            <p class="tagline">AI-powered writing assistant to
perfect your English</p>
        </header>

        <div class="main-content">
            <div class="input-section">
                <label for="user-text">Enter your text to check:</
label>

                <textarea id="user-text" placeholder="Type or paste
your text here..."></textarea>
                <div class="error-message" id="error-message"></div>
                <button id="check-button" onclick="checkGrammar()">
                    <svg xmlns="http://www.w3.org/2000/svg"
width="16" height="16" fill="currentColor" viewBox="0 0 16 16">
                        <path d="M12.736 3.97a.733.733 0 0 1 1.047
0c.286.289.29.756.01 1.05L7.88 12.01a.733.733 0 0 1-1.065.02L3.217

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8.384a.757.757 0 0 1 0-1.06.733.733 0 0 1 1.047 0l3.052 3.093
5.4-6.425a.247.247 0 0 1 .02-.022Z"/>
    </svg>
    Check Grammar
  </button>
</div>

<div class="loading" id="loading">
  <div class="spinner"></div>
  <p>Analyzing your text...</p>
</div>

<div class="output-section">
  <div class="output-title">
    <svg xmlns="http://www.w3.org/2000/svg"
width="20" height="20" fill="var(--primary-color)" viewBox="0 0 16
16">
      <path d="M8 15A7 7 0 1 1 8 1a7 7 0 0 1 0
14zm0 1A8 8 0 1 0 8 0a8 8 0 0 0 0 16z"/>
      <path d="M8 4a.5.5 0 0 1 .5.5v3h3a.5.5 0 0 1
0 1h-3v3a.5.5 0 0 1-1 0v-3h-3a.5.5 0 0 1 0-1h3v-3A.5.5 0 0 1 8 4z"/>
    </svg>
    <h2>Grammar Suggestions</h2>
  </div>
  <div class="output-content" id="output-content">
    <p style="color: var(--gray-color);">Your
grammar suggestions will appear here...</p>
  </div>
</div>
</div>

<footer>
  <p>Powered by Google Gemini AI | Not affiliated with
Google</p>
</footer>
</div>

<script>
  // Replace with your actual API key
  const API_KEY = "AIzaSyB3i--ZJyZSU0kws4_DHx4u70Q2LvAPNAE";

  async function checkGrammar() {
    const userText = document.getElementById('user-
text').value.trim();
    const outputContent = document.getElementById('output-
content');
    const loadingElement =
document.getElementById('loading');
    const errorElement = document.getElementById('error-
message');
    const checkButton = document.getElementById('check-
button');

    // Clear previous error

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        errorElement.style.display = 'none';

        // Validate input
        if (!userText) {
            errorElement.textContent = "Please enter some text
to check";
            errorElement.style.display = 'block';
            return;
        }

        // Disable button and show loading
        checkButton.disabled = true;
        loadingElement.style.display = 'block';
        outputContent.innerHTML = '<p style="color: var(--gray-
color);">Processing your request...</p>';

        try {
            // Initialize the model (this would be done
differently in production)
            const genai = await loadGemini();
            genai.configure({apiKey: API_KEY});
            const model = genai.getGenerativeModel({ model:
"gemini-1.5-pro-latest"});

            const prompt = `You are an AI grammar and spelling
coach. Check the following text for grammar, spelling, punctuation,
and style errors.

            Provide the corrected version of the text and
            explain each change with brief, clear notes. Format your response
            using Markdown with headings, lists, and code blocks where
            appropriate.

            Text: "${userText}"`;

            const result = await model.generateContent(prompt);
            const response = await result.response;
            const text = response.text();

            // Convert markdown to HTML
            const html = marked.parse(text);
            outputContent.innerHTML = html;
        } catch (error) {
            console.error("Error:", error);
            outputContent.innerHTML = '<p style="color: var(--
accent-color);">Error: ${error.message}</p>`;
        } finally {
            loadingElement.style.display = 'none';
            checkButton.disabled = false;
        }
    }

    // Dynamically load the Gemini API
    async function loadGemini() {

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        return new Promise((resolve, reject) => {
            const script = document.createElement('script');
            script.src = 'https://www.gstatic.com/generative-ai-
sdk/genai-js/v1/genai.js';
            script.onload = () => {
                resolve(google.generativeai);
            };
            script.onerror = () => {
                reject(new Error('Failed to load Gemini API'));
            };
            document.head.appendChild(script);
        });
    }

    // Allow pressing Enter in textarea to submit (with
    Shift+Enter for new lines)
    document.getElementById('user-
text').addEventListener('keydown', function(e) {
        if (e.key === 'Enter' && !e.shiftKey) {
            e.preventDefault();
            checkGrammar();
        }
    });
</script>
</body>
</html>

```