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from flask import Flask, render_template, request, jsonify
import google.generativeai as genai
import textwrap
from markdown import markdown

app = Flask(__name__)

# Configure Gemini (move to environment variables in production)
API_KEY = "AIzaSyB3i--ZJyZSU0kws4_DHx4u70Q2LvAPNAE"
genai.configure(api_key=API_KEY)
model = genai.GenerativeModel('gemini-1.5-pro-latest')

@app.route('/')
def home():
    return render_template('index.html')

@app.route('/check-grammar', methods=['POST'])
def check_grammar():
    data = request.get_json()
    text = data.get('text', '').strip()

    if not text:
        return jsonify({'error': 'Please enter some text to check'}), 400

    try:
        prompt = f"""You are an advanced AI writing assistant.
Analyze this text comprehensively:

1. Grammar/Spelling: Correct all errors
2. Clarity: Improve unclear phrases
3. Engagement: Make text more compelling
4. Conciseness: Remove redundancy
5. Tone: Adjust if needed
6. Readability: Provide grade level
7. Style: Offer improvements
8. Vocabulary: Suggest stronger words

Provide response in Markdown format with these sections:

### Corrected Text
[show corrected version]

### Detailed Analysis
- **Grammar/Spelling**: [corrections]
- **Clarity**: [improvements]
- **Engagement**: [suggestions]
- **Conciseness**: [changes]
- **Tone**: [analysis]
- **Readability**: [score]
- **Style**: [suggestions]
- **Vocabulary**: [enhancements]

Text: "{text}"

```

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    """

    response = model.generate_content(prompt)
    html_output = markdown(response.text)
    return jsonify({'result': html_output})

except Exception as e:
    return jsonify({'error': str(e)}), 500

if __name__ == '__main__':
    app.run(debug=True)
```