

# Project 9: Dating Advice Bot

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## Description:

This chatbot offers friendly, non-judgmental dating advice. It can help users craft messages, improve online dating profiles, give date ideas, or offer thoughtful responses in awkward situations. Think of it as your smooth-talking wingperson with empathy and charm.

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## dating\_advice\_bot.py

```
import openai
import os
import gradio as gr

# Load your OpenAI API key from environment variable (or set it directly)
openai.api_key = os.getenv("OPENAI_API_KEY")

# Define the core function to generate advice
def dating_helper(user_input):
    # This sets the tone and knowledge of the assistant
    messages = [
        {
            "role": "system",
            "content": (
                "You are a charming and supportive dating advisor. "
                "You help people improve their dating profiles, come up with i"
                "craft thoughtful or flirty messages, and offer guidance in a"
                "Avoid judgment, stay encouraging, and be both fun and respect
            )
        },
        {
            "role": "user",
            "content": user_input # Whatever the user asks, from advice to me
        }
    ]

    try:
        # Request OpenAI API to process the conversation
        response = openai.ChatCompletion.create(
```

```

        model="gpt-3.5-turbo",    # Can swap with GPT-4 if needed
        messages=messages        # Feed in the full conversation
    )

    # Return the assistant's thoughtful response
    return response['choices'][0]['message']['content'].strip()

except Exception as e:
    # If something goes wrong (e.g. missing key), show error
    return f"Error: {str(e)}"

# Set up Gradio interface for an interactive UI
iface = gr.Interface(
    fn=dating_helper,                # Function to call on user message
    inputs="text",                  # User types here
    outputs="text",                 # AI's advice shows here
    title="💖 Dating Advice Bot",    # Title of the app
    description=(
        "Need help writing a message? Want first date ideas? Struggling to respond? Ask for help with any dating scenario and get friendly, respectful advice. Examples: 'Help me respond to a message on Hinge', 'Ideas for a fun conversation'"
    )
)

# Launch the Gradio app
iface.launch()

```