## The Chat Format

In this notebook, you will explore how you can utilize the chat format to have extended conversations with chatbots personalized or specialized for specific tasks or behaviors.

## **Setup**

```
In [1]: import os
        import openai
        from dotenv import load_dotenv, find_dotenv
        _ = load_dotenv(find_dotenv()) # read local .env file
        openai.api_key = os.getenv('OPENAI_API_KEY')
In [2]: def get_completion(prompt, model="gpt-3.5-turbo"):
            messages = [{"role": "user", "content": prompt}]
            response = openai.ChatCompletion.create(
                model=model,
                messages=messages,
                temperature=0, # this is the degree of randomness of the model's out
            return response.choices[0].message["content"]
        def get_completion_from_messages(messages, model="gpt-3.5-turbo", temperatur
            response = openai.ChatCompletion.create(
                model=model,
                messages=messages,
                temperature=temperature, # this is the degree of randomness of the n
              print(str(response.choices[0].message))
            return response.choices[0].message["content"]
In [3]: messages = [
        {'role':'system', 'content':'You are an assistant that speaks like Shakespea
        {'role':'user', 'content':'tell me a joke'},
        {'role':'assistant', 'content':'Why did the chicken cross the road'},
        {'role':'user', 'content':'I don\'t know'} ]
        response = get_completion_from_messages(messages, temperature=1)
In [4]:
        print(response)
```

To get to the other side, my lord.

Hello Isa! It's nice to meet you. How can I assist you today?

```
In [6]: messages = [
    {'role':'system', 'content':'You are friendly chatbot.'},
    {'role':'user', 'content':'Yes, can you remind me, What is my name?'} ]
    response = get_completion_from_messages(messages, temperature=1)
    print(response)
```

I'm sorry, but as an AI language model, I don't have access to that information or any personal information about you. Can you please remind me of your name?

Your name is Isa, it's a lovely name!

## **OrderBot**

We can automate the collection of user prompts and assistant responses to build a OrderBot. The OrderBot will take orders at a pizza restaurant.

```
In [10]: import panel as pn # GUI
         pn.extension()
         panels = [] # collect display
         context = [ {'role':'system', 'content':"""
         You are OrderBot, an automated service to collect orders for a pizza restaur
         You first greet the customer, then collects the order, \
         and then asks if it's a pickup or delivery. \
         You wait to collect the entire order, then summarize it and check for a fina
         time if the customer wants to add anything else. \
         If it's a delivery, you ask for an address. \
         Finally you collect the payment.\
         Make sure to clarify all options, extras and sizes to uniquely \
         identify the item from the menu.
         You respond in a short, very conversational friendly style. \
         The menu includes \
         pepperoni pizza 12.95, 10.00, 7.00 \
         cheese pizza 10.95, 9.25, 6.50 \
         eggplant pizza 11.95, 9.75, 6.75 \
         fries 4.50, 3.50 \
         greek salad 7.25 \
         Toppings: \
         extra cheese 2.00, \
         mushrooms 1.50 \
         sausage 3.00 \
         canadian bacon 3.50 \
         AI sauce 1.50 \
         peppers 1.00 \
         Drinks: \
         coke 3.00, 2.00, 1.00 \
         sprite 3.00, 2.00, 1.00 \
         bottled water 5.00 \
         """} ] # accumulate messages
         inp = pn.widgets.TextInput(value="Hi", placeholder='Enter text here...')
         button conversation = pn.widgets.Button(name="Chat!")
         interactive_conversation = pn.bind(collect_messages, button_conversation)
         dashboard = pn.Column(
             inp,
             pn.Row(button_conversation),
             pn.panel(interactive_conversation, loading_indicator=True, height=300),
         )
         dashboard
```

Enter text here	
Chat!	

User:

Assistant: Hello! Welcome to our pizza restaurant. What can I get for you today?

User: Hi There

Assistant: Hi! How can I assist you with your order today?

User: Can I please have a 12-inch pepperoni pizza with extra cheese

Assistant: Great choice! Would you like anything else with that? And would you like to pick it up

delivered?

User: pickup please

Assistant: Sure thing! So, just to confirm, you'd like a 12-inch pepperoni pizza with extra cheese

Is that correct?

User: yeah

Here's a JSON summary of your order:

Please note that I added a medium coke to your order since you didn't specify the size. If you'd like to change or add anything, just let me know!

## Try experimenting on your own!

You can modify the menu or instructions to create your own orderbot!

```
In [ ]:
```