PYTHON AI CHATBOT WITH OLLAMA

Step 1: Download and setup Ollama:

Step 2: Verify it downloaded:

```
PS C:\U
                                                  bapace For Projects> ollama
Usage:
  ollama [flags]
  ollama [command]
Available Commands:
              Start ollama
              Create a model from a Modelfile
  create
              Show information for a model
  show
              Run a model
  run
              Stop a running model
  stop
  pull
              Pull a model from a registry
              Push a model to a registry
  push
  list
              List models
              List running models
  ps
              Copy a model
  ср
              Remove a model
  rm
  help
              Help about any command
Flags:
  -h, --help
                  help for ollama
```

Step 3: Install a model relative to system hardware:

```
pulling manifest
pulling 60746alecla... 100%
pulling 476551ddf938... 100%
pulling 5767073fFcc6c... 100%
pulling 5767073fFcc6c... 100%
pulling 57869bd3874... 100%
pulling 57869bd3874... 100%
pulling 58869dd3874... 100%
pulling 58869dd3876... 100%
pulling 58869d3876... 100%
pulli
```

Step 4: Test the model:



Step 5: Create a virtual environment to isolate the project from other projects:

NOTE Run: Set-ExecutionPolicy -ExecutionPolicy Bypass -Scope Process

Before activating virtual environment if you're having problems activating it.

Command to create Virtual Environment: python3 -m venv ollama-chatbot

To activate:

.\ollama-chatbot\Scripts\activate OR

Navigate to: \ollama-chatbot\bin>

Then use .\activate



Step 6: Install necessary dependencies:

```
(ollama-chatbot) PS (ollam
```

Step 7: Code the chatbot using the necessary functions provided by Ollama:

```
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```

Step 8: Run the chatbot:

```
(ollama-chatbot) PS (wheeled the content of the con
```

Optional: Run the GUI chatbot (designed with PyQt) for an interactive window, rather than the terminal:

