



LearnTube
by CareerNinja

Assignment: Typeform-like Chat Feature Replication with Multiple Chat Agents for Data Gathering and Extraction.

Objective:

Take reference from the Typeform chat feature, as demonstrated by [Formless AI](#), which collects user details through a conversational interface involving multiple chat agents. Make it more conversational and convincing for users to give their information. Chat agent will play a role like convincing to give details, to verify the information, etc. Extract the gathered data and save it into a CSV file. Finally, share the solution either by creating a GitHub repository or sharing a Colab file link.

Steps:

1. Develop a conversational interface similar to the one demonstrated by Formless AI. Implement multiple chat agents, each with a specific role (e.g., "convincing to give details", "Extract and Verify user information," "Format the extracted information").
2. Design a coherent conversation flow where users will easily give the information or convince well to give their info.
3. Details to extract: Name, email, phone no, Address, Date of birth, Education.
4. Make sure the Chat flow is consistent or natural and minimum hallucinations (question repetitions, out of context question) shouldn't happen.
5. You can use any Large language model of your choice for agents, also your choice of parameter for tuning the agent/prompt.
6. Ensure the conversation logic guides users through the agent's questions seamlessly.
7. After gathering user details from agents, format the data appropriately.
8. Create a CSV file using libraries like pandas in Python.

Sharing the Solution:

Option 1: GitHub Repository

Create a GitHub repository to host the code.

Include clear instructions on how to run the code and replicate the chat experience.

Upload the code files, including the Python script(s), any necessary dependencies, and a README explaining the project.

Option 2: Colab File Link

Develop the solution in a Jupyter Notebook compatible with Google Colab.

Comment the code to provide explanations for each step.

Ensure the Colab file is shareable and accessible to others.

Additional/Optional Task:

1. Make it into REST api endpoints such that it can be plugged into any messaging system and tested out /used.