Finals Prompt : Senior Programming

Background

Rohan is the newly elected manager of 'The Singh Restaurant'. Last year, due to a pandemic he had to fire many of his employees. Now, Rohan is overburdened with all the work of getting orders, reserving seats, attending customer's calls, redressal of queries and complaints and what not! You need to develop a chatbot, customised for his restaurant. There should be automated responses for some of the most asked queries of the customers, customers should be able to reserve their seats and send their feedback about the dishes. The chatbot should first ask for the customer's details prior to providing them any service. The chatbot should be as user-friendly as it can be. So put your thinking caps on and innovate the chatbot as you want it to be. Rohan is quite a broad-minded person and loves new ideas and features. So don't forget to add a wing to your chatbot by adding in your creativity.

Resources

Note : Only random, math, nltk, os, csv, time, datetime, asyncio, pillow, tkinter & json modules can be imported. Adding GUI to your project is optional but it will surely fetch you some extra points.

1. https://docs.python.org/3/library/random.html
2. https://docs.python.org/3/library/math.html
3. https://www.nltk.org/
4. https://docs.python.org/3/library/os.html

5. https://docs.python.org/3/library/csv.html
6. https://docs.python.org/3/library/time.html
7. https://docs.python.org/3/library/datetime.html
8. https://docs.python.org/3/library/asyncio.html
9. https://pillow.readthedocs.io/en/stable
10.   https://docs.python.org/3/library/tk.html
11.   https://docs.python.org/3/library/json.html

Your task

Participants have to compress the project folder with all the necessary files as "{ParticipantName}_{SchoolName}_{EventName}.rar/zip/7z" and upload it via silicobattles.com/submit by October 25, 2021, 2400 hours. Readme file (.docx) and requirements.txt must be also uploaded along with it.