Project Title: *Restaurant Meeting Logger (Kornelijus Ruskonis)*

Problem Statement & Importance:
In the hospitality sales industry, tracking client visits and meetings is crucial for relationship management and follow-ups. However, such data is often unstructured or poorly organized. This project addresses the need for an efficient and automated way to log restaurant meetings—storing them in a structured format, enriched with geolocation data, and visualizing them on an interactive map.

Approach and Methodology:
The solution was implemented in Python using several key libraries:

- **User Input:** Gathered restaurant name, visit date, and meeting notes.
- **Data Storage:** Meeting data is stored in an Excel file using openpyxl. If the file does not exist, it is created and initialized with appropriate column headers.
- **Geolocation:** The geopy library with Nominatim API was used to convert restaurant names (or manually entered addresses) into latitude and longitude coordinates.
- **Mapping:** All recorded meetings are visualized using folium, which creates an interactive HTML map with pins for each location.
- **Automation:** The program also attempts to automatically open both the Excel file and the map upon successful execution for quick access and review.

Key Learnings:

- Integrated external APIs for geocoding.
- Handled user input validation and fallback mechanisms when geolocation fails.
- Learned how to persist structured data in Excel and visualize it geographically using Python.
- Gained experience working with real-world file handling, error catching, and cross-platform compatibility in Python.

Next Steps:

- Enhance error handling and location accuracy.
- Allow data export to formats like PDF or CSV.
- Include filtering features on the map (e.g., by date or notes keywords).
- Client tagging and analytics dashboard