What is the project about?

- You're **building an application** that explores **commercial flight data** from a CSV file (flights.csv).
- The data includes information like **flight number, departure and arrival times, airports, distances, delays, cancellations, etc.**
- You need to **read, process, display, and allow user interaction** with the data.

Main components of your program

1. **Reading Data from File**
    - Load the CSV file into memory (using **loadStrings()** or **split()** in Processing).
    - Store flight data in **a class (like Flight or DataPoint)**.
    - Handle missing/empty values carefully.
2. **Selecting Data (Queries & Filtering)**
    - Allow users to filter/search data, at minimum:
        - ✅ **Flights from a specific airport**
        - ✅ **Flights within a date range**
        - ✅ **Flights sorted by how late they are**
3. **Displaying Data (Graphics/Visualizations)**
    - Show query results on the screen.
    - Use **graphs, bar charts, maps, or tables** to make it clear.
4. **User Interaction**
    - Let users **select filters (airport, date, airline, etc.)**
    - Allow **switching between views or searches**
5. **Putting it All Together**
    - Organize your **main program structure early**.
    - Work with your group to **sketch out UI and main logic ASAP**.

Marking & How to Get Full Marks

- **Weekly progress (20%)** – Attend **every lab** and show progress!

- **Code, Report & Git Usage (30%)**
    - **Use GitHub for version control** (make regular commits).
    - **Comment your code** with names & timestamps.
    - **Write a 1000-word report** explaining your design & improvements.
- **Final Video & Presentation (15%)** – Make a **3-minute video demo** and answer questions in a live Q&A session.