



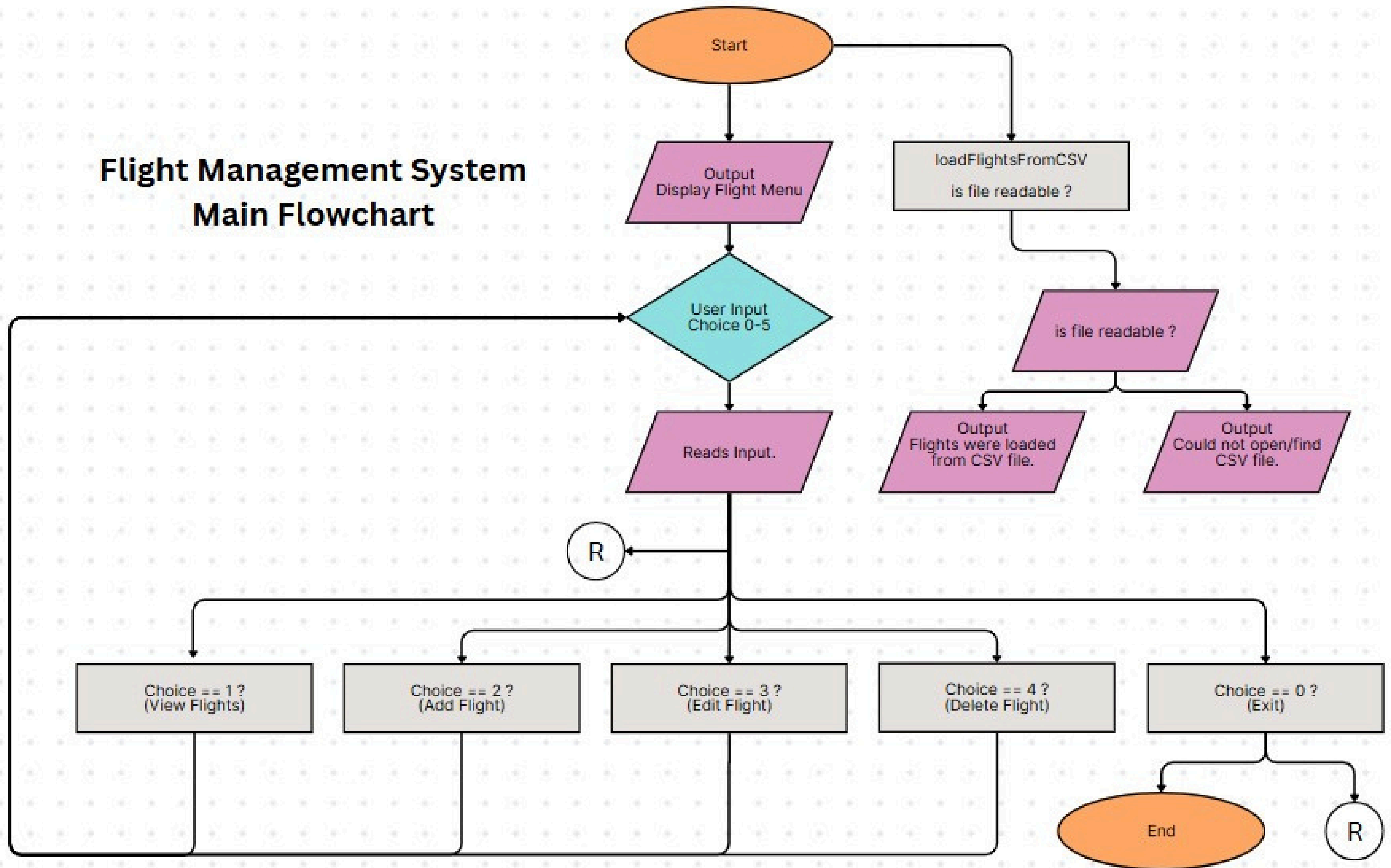
# **FLIGHT MANAGEMENT SYSTEM**

**Z124351, Z124498, Z524075, Z124392**

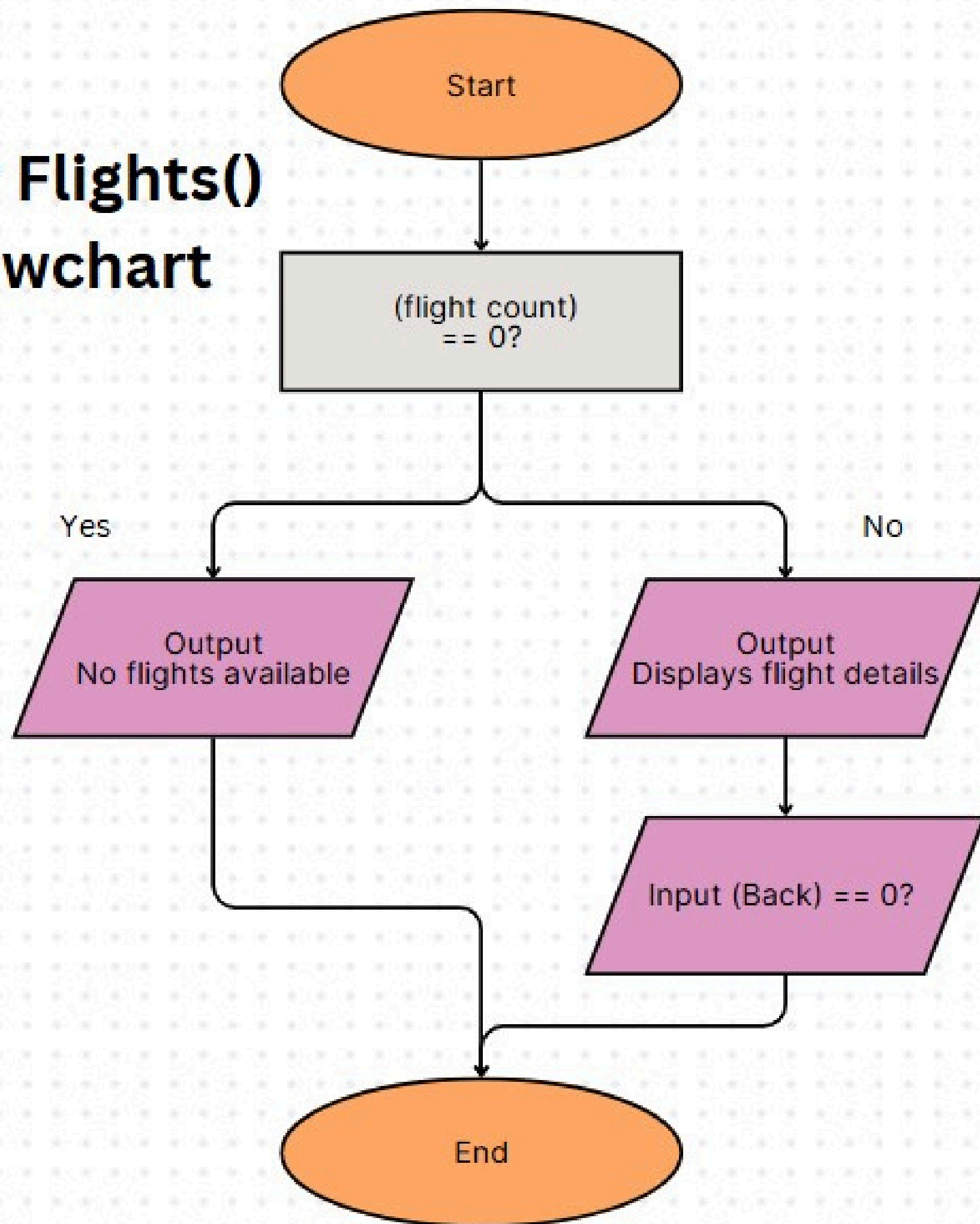
**INTRODUCTION TO PROGRAMMING**



# Flight Management System Main Flowchart



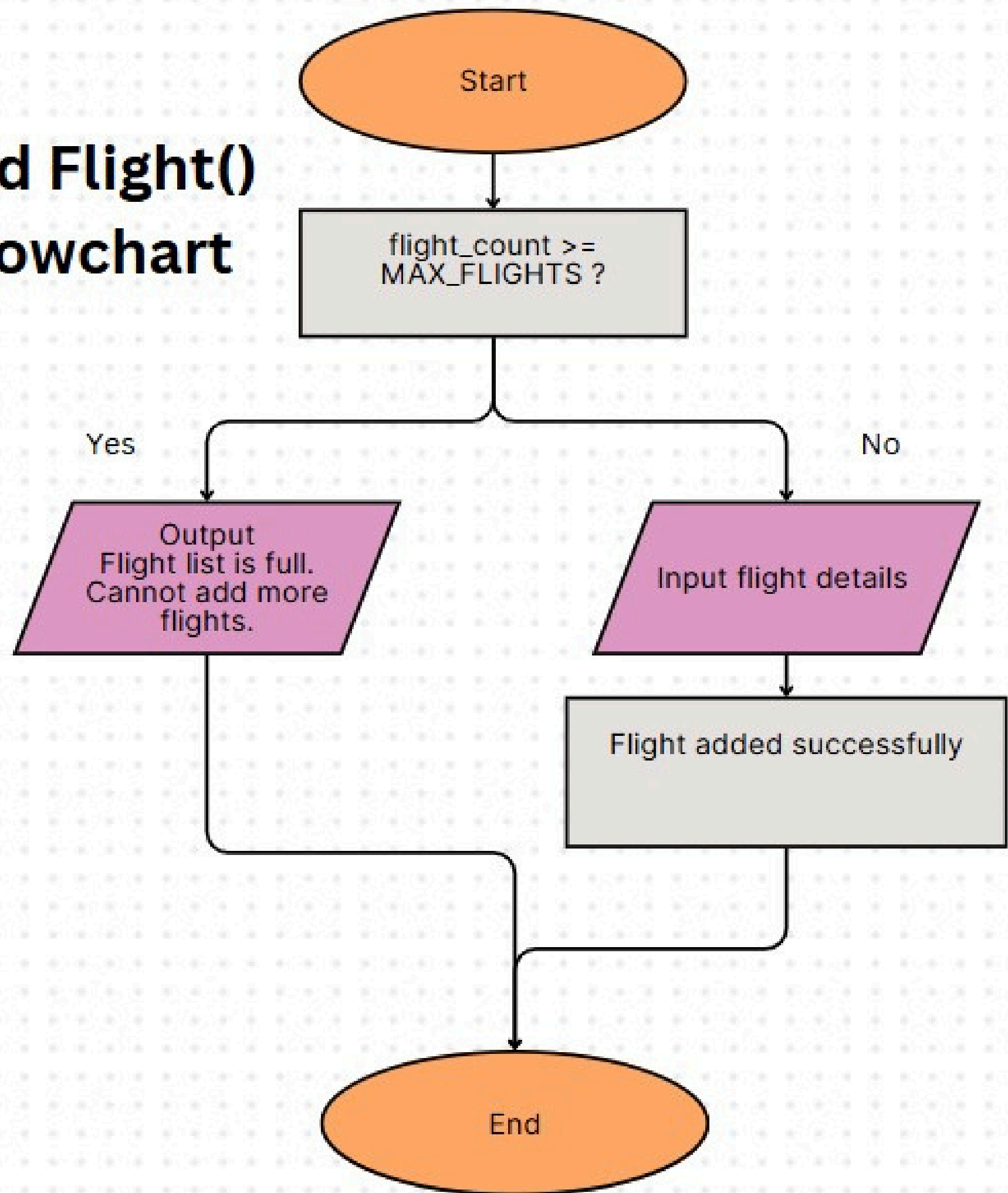
# View Flights() Flowchart



## 1. viewFlights()

- Purpose: Displays all stored flights.
- How it works:
  - If no flights exist, it shows a message saying, "No flights available."
  - Otherwise, it lists the flight details (ID, origin, destination, departure, arrival).
  - If user inputs "0" it returns to the main menu.

## Add Flight() Flowchart

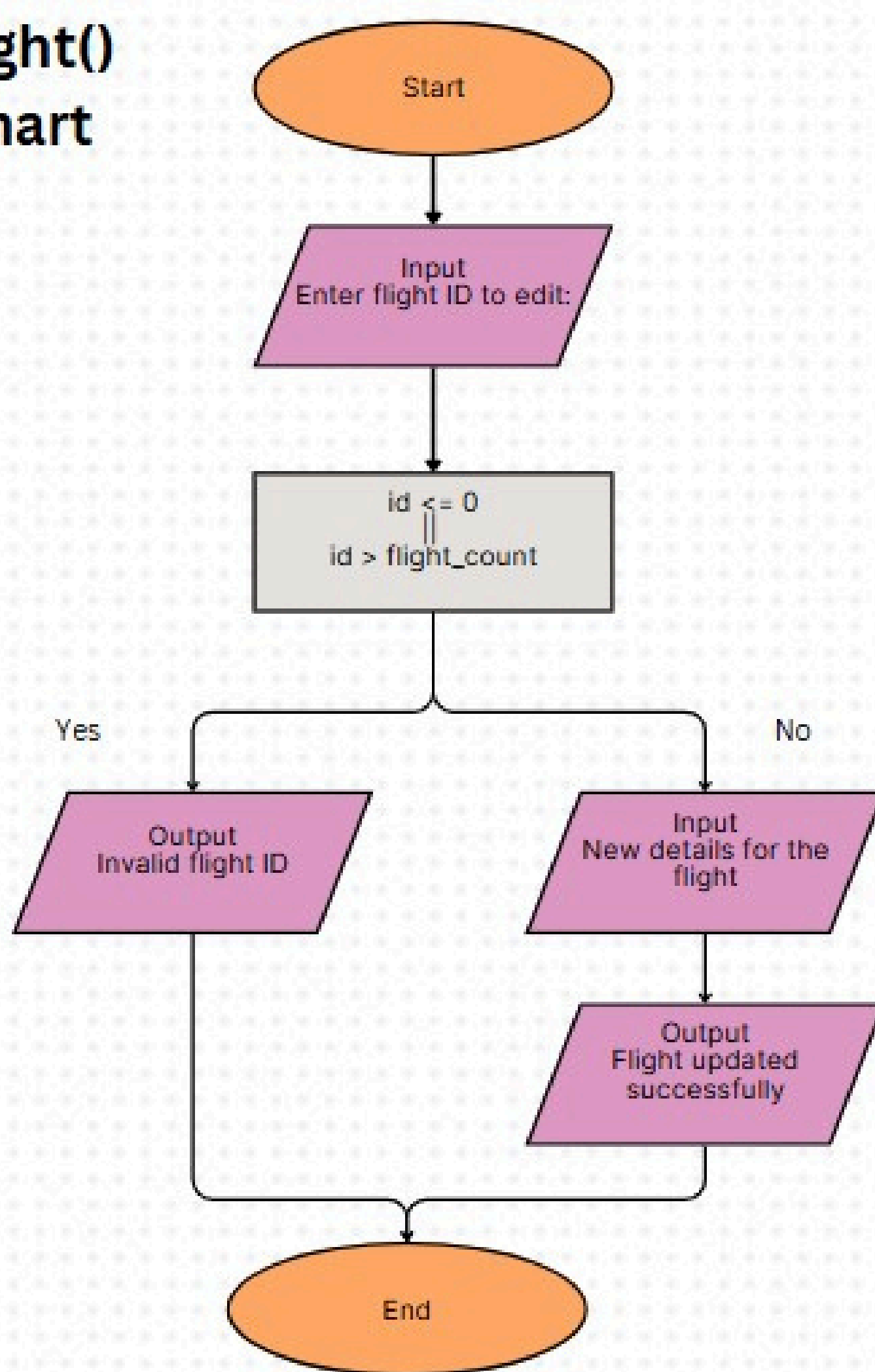


### 2. addFlight()

- Purpose: Adds a new flight to the system.
- How it works:
  - Checks if the flight limit is reached. If yes, it shows, "Cannot add more flights."
  - If not, it collects flight details (origin, destination, etc.), assigns an ID, and adds the flight to the system.



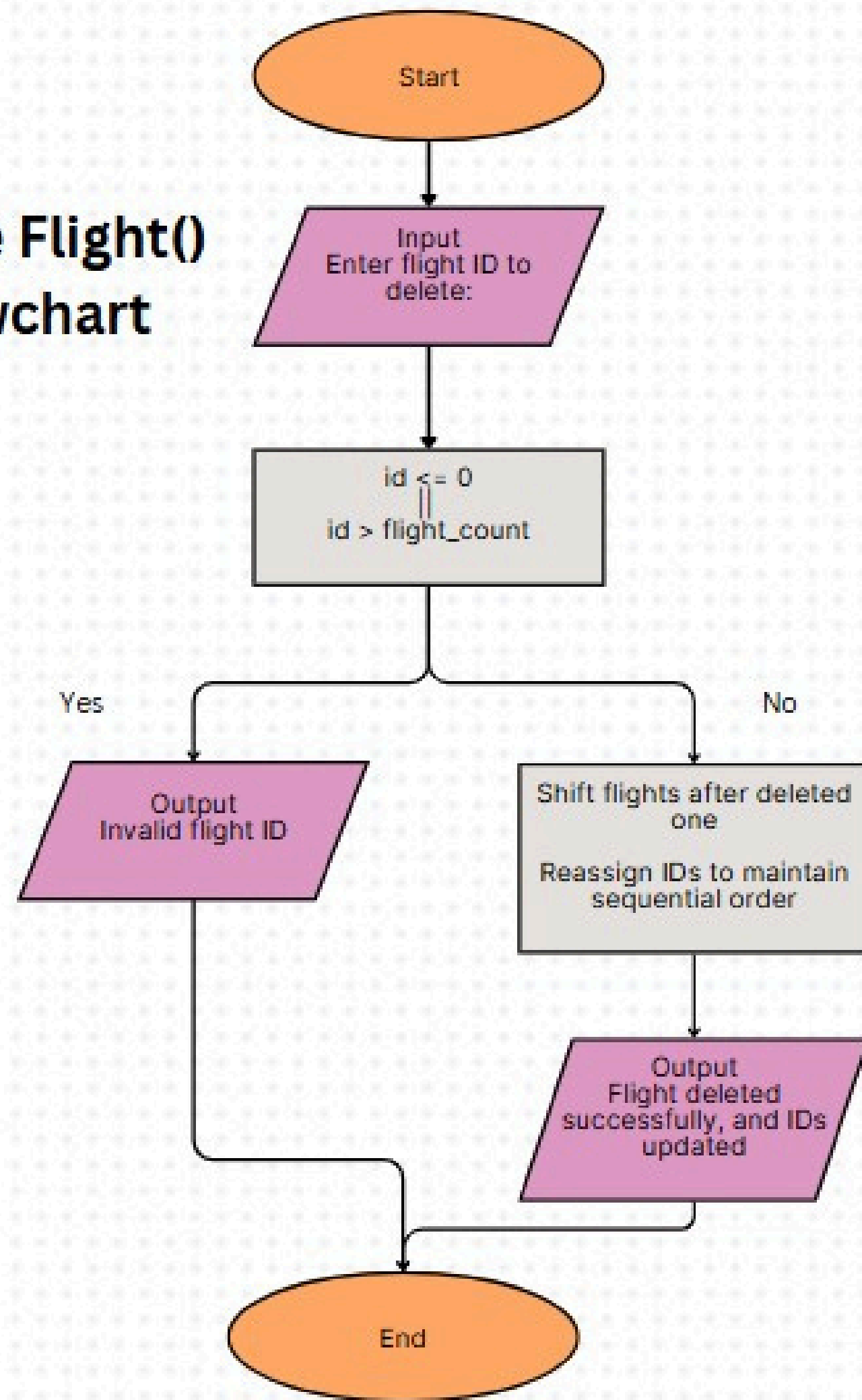
# Edit Flight() Flowchart



## 3. editFlight()

- Purpose: Edits the details of an existing flight.
- How it works:
  - Asks for the flight ID to edit.
  - If the flight ID does not exist, it shows a message saying, "Invalid flight ID".
  - Otherwise, it Validates the ID and lets the user update the flight's origin, destination, departure, or arrival time.

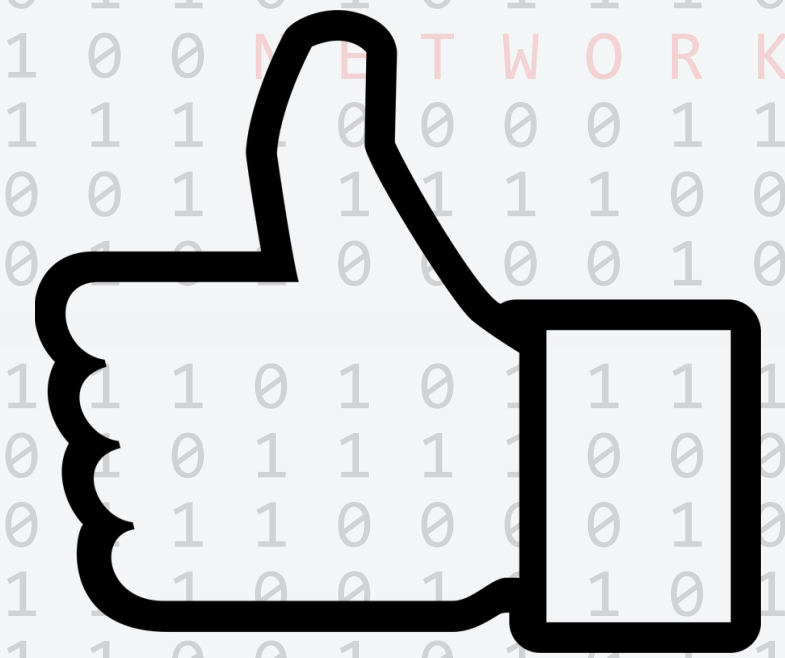
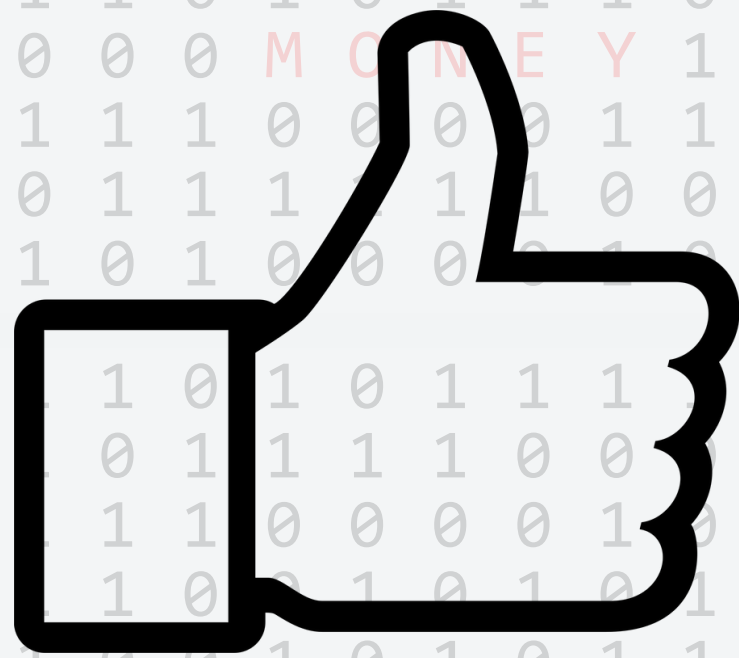
## Delete Flight() Flowchart



### 4. deleteFlight()

- Purpose: Deletes a flight from the system.
- How it works:
  - Asks for the flight ID to delete.
  - If the flight ID does not exist, it shows a message saying, "Invalid flight ID".
  - Otherwise, it validates the ID, removes the flight, shifts remaining flights, and updates their IDs.

**Thank you for  
listening.**



**Any questions?**