

# Airline Passenger Manifest

Design an OOP solution using PHP to handle passenger manifest of an airplane. Feel free to add other functions as needed to defend your solution. Please host your solution in github.

The design should be able to accommodate these actions:

- Assign flight number
- Destination
- Terminal
- Accept passengers
  - o Info needed are: first name, last name, age, gender
  - o Check-in passengers
- Assign seats
- Get the number of:
  - o Seats
  - o Available
  - o Occupied
- Get the passenger list
- Able to get the aircraft info: brand, carrier name info and others.

Requirements:

- Purely objects / classes
- No database interaction needed
- Unit tests
- Can be executed in the terminal

Below are the basic information of the Aircraft, Carrier and configurations:

## Airplane Models

Brand	Model
Boeing	737-800
Airbus	A380
Dash	8

## Airline Companies

Carrier Name	Headquarters
Qantas	Australia
Singapore Airlines	Singapore
Emirates	UAE

## Airline aircraft seat configurations

Qantas			
	Boeing 737-800	Airbus A380	Dash 8
First Class	0	14	0
Business	13	64	0
Premium Economy	0	35	0
Economy Seats	162	371	38
Singapore Airlines			
First Class	0	12	0
Business	8	80	0
Premium Economy	14	40	4
Economy Seats	160	360	30
Emirates			
First Class	4	16	0
Business	8	64	0
Premium Economy	6	50	0
Economy Seats	150	300	40

Good luck! ☺