Airlines

# Description of the project

The project implement the structure of airline companies. There is main class company which holds all their flights, planes, stewardesses and pilots (crew members). Plane and flight cannot be constructed without assigning company to it whereas crew member can be created without it because person can be unemployed. It is convenient to store company pointer in flight, plane and crew member to forbid assigning them to multiple airline companies.

Each flight consist of plane, passenger, stewardess, pilots, company to which belongs and characteristic data for flight: city of departure, arrival and UTC time of departure and arrival in milliseconds.

The class plane includes all of its flights, id, name, company that belongs to and parameters describing the plane, such as: passengers, stewardesses, pilots capacity and required number of stewardess and pilots to operate the flight.

Next class is person which holds id, first and second name, birthday time (UTC time in milliseconds) and gender. Class person is parent class for passenger and crew member classes.

The Passenger class contains flights and the crew member class contains flights and role of the crew member: pilot or stewardess.

# Case study

Obraz zawierający tekst, diagram, Plan, zrzut ekranu

Opis wygenerowany automatycznie

# Declaration of the classes

tekst