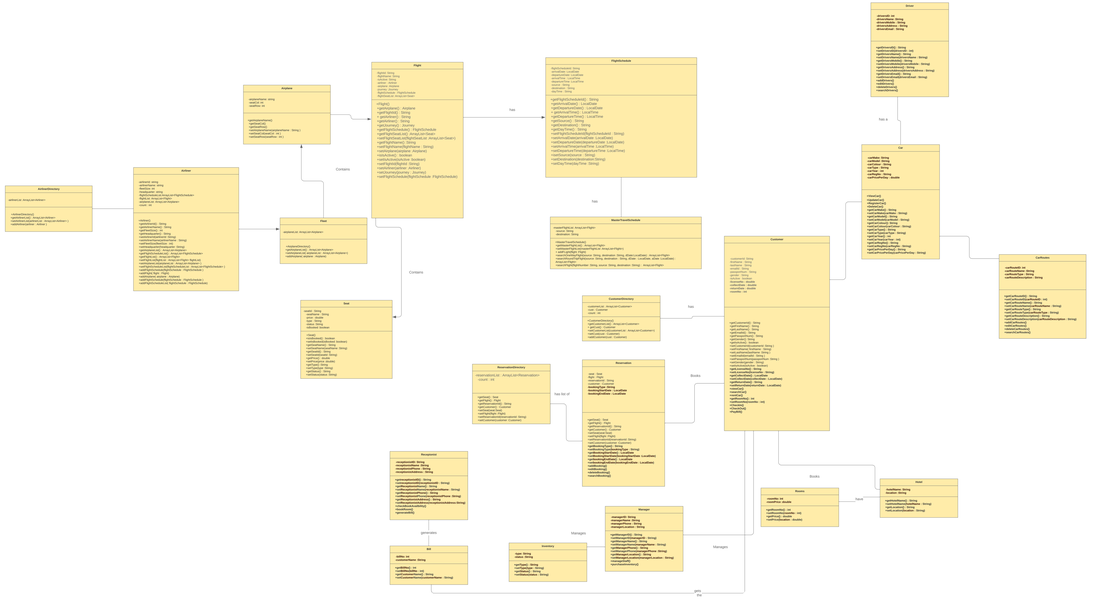
AirlineDirectory
airlines: Array<Airline>
+ ~AirlineDirectory()
+ getAirline(pAirline : Airline)
+ setAirline(pAirline : Airline)
Airline
airlineId: String
airlineName: String
fleetSize: int
flightSchedule:Array<FlightSchedule>
airport: Array<Airport>
crew:Array<Crewmember>
+ ~Airline()
+ getAirlineId() : String
+ setAirlineId(pAirlineId : String)
+ getFleetSize() : int
+ setFleetSize(pFleetSize : int)
+ getAirlineName() : String
+ setAirlineName(pAirlineName : String)
+ getFlightSchedule() : Array<FlightSchedule>
+ setFlightSchedule(pFlightSchedule : Array<FlightSchedule>)
+ getAirport() : Array<Airport>
+ setAirport(pAirport : Array<Airport>)
+ getCrew() : Array<Crewmember>
+ setCrew(pCrew : Array<Crewmember>)
+ addFlight(pFlight : Flight)
+ removeFlight(pFlight : Flight)
+ addFlightSchedule(pFlightSchedule : FlightSchedule)
+ removeFlightSchedule(pFlightSchedule : FlightSchedule)
Airplane
airplaneCapacity: String
airplaneId: String
airplaneTail: int
+ ~Airplane()
+ getAirplaneCapacity() : String
+ setAirplaneCapacity(pAirplaneCapacity : String)
+ getAirplaneId() : String
+ setAirplaneId(pAirplaneId : String)
+ getAirplaneTail() : int
+ setAirplaneTail(pAirplaneTail : int)
Contains
Crew
Airline(pAirline : Airline)
+ ~Crew()
+ getAirline(pAirline : Airline)
+ setAirline(pAirline : Airline)
Crew
crewId: String
crewName: String
crewSize: int
type: String
flight: Flight
airline: Airline
+ ~Crew()
+ getCrewId() : String
+ setCrewId(pCrewId : String)
+ getCrewName() : String
+ setCrewName(pCrewName : String)
+ getCrewSize() : int
+ setCrewSize(pCrewSize : int)
+ getType() : String
+ setType(pType : String)
+ getFlight() : Flight
+ setFlight(pFlight : Flight)
+ getAirline() : Airline
+ setAirline(pAirline : Airline)
Contains
Flight
flightId: String
flightNumber: String
departure: Date
arrival: Date
gate: String
status: Enum
airplane: Airplane
flightSchedule: FlightSchedule
+ ~Flight()
+ getFlightNumber() : String
+ setFlightNumber() : String
+ getDeparture() : Date
+ setDeparture() : Date
+ getArrival() : Date
+ setArrival() : Date
+ getGate() : String
+ setGate() : String
+ getStatus() : Enum
+ setStatus() : Enum
+ getAirplane() : Airplane
+ setAirplane() : String
+ getFlightId() : String
+ setFlightId() : String
+ getFlightSchedule() : FlightSchedule
+ setFlightSchedule(pFlightSchedule : FlightSchedule)
Has
FlightSchedule
departureTime: String
arrivalTime: LocalTime
departureDate: LocalDate
arrivalDate: LocalDate
flightNumber: String
status: String
gate: String
flight: Flight
airline: Airline
+ getFlightScheduleId() : String
+ setFlightScheduleId() : String
+ getArrivalTime() : LocalTime
+ setArrivalTime() : LocalTime
+ getGate() : String
+ setGate() : String
+ getStatus() : String
+ setStatus() : String
+ getFlightScheduleId(pFlightScheduleId : String)
+ setFlightScheduleId(pFlightScheduleId : String)
+ getDepartureDate(pDepartureDate : LocalDate)
+ setDepartureDate(pDepartureDate : LocalDate)
+ getDepartureTime(pDepartureTime : LocalTime)
+ setDepartureTime(pDepartureTime : LocalTime)
+ getDepartureDate() : String
+ setDepartureDate(pDepartureDate : String)
+ getDepartureTime() : String
+ setDepartureTime(pDepartureTime : String)
Has
RouteTravelSchedule
routeFlights: Array<Flight>
routeID: String
routeName: String
+ ~RouteTravelSchedule()
+ getRouteFlights() : Array<Flight>
+ setRouteFlights(pRouteFlights : Array<Flight>)
+ addFlight(pFlight: Flight)
+ searchRoutesByDate(pDate: String, destination: String, [Optional]origin: Array<Flight>)
+ searchRoutesByFlight(source: String, destination: String, [Optional]date: Array<LocalDate>)
+ searchFlightsByRoute(pRoute: String, source: String, destination: String) : Array<Flight>
Driver
driverId: int
firstNameDriver: String
lastNameDriver: String
licenseNumber: String
driverEmail: String
+ ~Driver()
+ getDriverID() : String
+ setDriverID(pDriverID : int)
+ getFirstNameDriver() : String
+ setFirstNameDriver(pFirstNameDriver : String)
+ getLastNameDriver() : String
+ setLastNameDriver(pLastNameDriver : String)
+ getLicenseNumber() : String
+ setLicenseNumber(pLicenseNumber : String)
+ getDriverEmail() : String
+ setDriverEmail(pDriverEmail : String)
+ getDriverPhoneNumber() : int
+ setDriverPhoneNumber(pDriverPhoneNumber : int)
+ ~Driver()
Has a
Car
carMake: String
carModel: String
carYear: int
carType: String
carColor: String
carPlateNumber: String
carMileage: double
+ ~Car()
+ getCarMake() : String
+ setCarMake() : String
+ getCarModel() : String
+ setCarModel() : String
+ getCarYear() : int
+ setCarYear(pCarYear : int)
+ getCarType() : String
+ setCarType() : String
+ getCarColor() : String
+ setCarColor() : String
+ getCarPlateNumber() : String
+ setCarPlateNumber() : String
+ getCarMileage() : double
+ setCarMileage() : double
+ getCarDriverFromDriverID(pDriverID : int)
+ setCarDriverFromDriverID(pDriverID : int)
Has
CarRentals
carRentalID: int
carRentalCarID: String
carRentalType: String
carRentalDescription: String
+ ~CarRentalID()
+ getCarRentalID() : int
+ setCarRentalID(pCarRentalID : int)
+ getCarRentalCarID() : String
+ setCarRentalCarID() : String
+ getCarRentalType() : String
+ setCarRentalType(pCarRentalType : String)
+ getCarRentalDescription() : String
+ setCarRentalDescription(pCarRentalDescription : String)
+ getCarRentalCarDriverFromDriverID(pDriverID : int)
+ setCarRentalCarDriverFromDriverID(pDriverID : int)
Has
CustomerDirectory
customerlist: Array<CarCustomer>
count: int
+ ~CustomerDirectory()
+ getCustomerlist() : Array<CarCustomer>
+ setCustomerlist()
+ addCustomer(pCustomer:Array<CarCustomer>)
+ removeCustomer()
+ setCustomerCount: Customer
Has
Customer
customerID: String
firstNameC: String
lastNameC: String
address: String
phone: int
email: String
dateOfBirth: Date
licenseNumber: String
licenseExpiryDate: Date
+ ~Customer()
+ getCustomerID() : String
+ setCustomerID() : String
+ getFirstNameC() : String
+ setFirstNameC() : String
+ getLastNameC() : String
+ setLastNameC() : String
+ getAddress() : String
+ setAddress() : String
+ getPhone() : int
+ setPhone() : int
+ getEmail() : String
+ setEmail() : String
+ getDateOfBirth() : Date
+ setDateOfBirth() : Date
+ getLicenseNumber() : String
+ setLicenseNumber() : String
+ getLicenseExpiryDate() : Date
+ setLicenseExpiryDate() : Date
+ getCustomerRentalsFromCustomerID(pCustomerID : int)
+ setCustomerRentalsFromCustomerID(pCustomerID : int)
+ getCustomerDriverFromDriverID(pDriverID : int)
+ setCustomerDriverFromDriverID(pDriverID : int)
+ ~Customer()
Books
ReservationDirectory
reservations:Array<Reservation>
count: int
+ ~getRes() : void
+ getRes() : Reservation
+ setRes(pRes : Reservation)
+ getCustomer() : Customer
+ setCustomer()
+ ~setRes(pRes: Flight)
+ getCustomerFromCustomerID(pCustomerID: String)
+ setCustomerCustomer: Customer
Has list of
Reservation
year: Year
month: Month
day: Date
reservationID: String
customerID: String
boardingDate: LocalDate
boardingTime: LocalTime
departureDate: LocalDate
+ ~getYear() : Year
+ setYear(pYear) : Year
+ getMonth() : Month
+ setMonth(pMonth) : Month
+ getDay() : Date
+ setDay(pDay) : Date
+ getReservationID() : String
+ setReservationID(pReservationID : String)
+ getCustomerID() : String
+ setCustomerID(pCustomerID : String)
+ **getBoardingDate() : LocalDate**
+ **setBoardingDate(pBoardingDate : LocalDate)**
+ **getBoardingTime() : LocalTime**
+ **setBoardingTime(pBoardingTime : LocalTime)**
+ **getDepartureDate() : LocalDate**
+ **setDepartureDate(pDepartureDate : LocalDate)**
+ ~setReservationID()
+ ~setDay(pDay)
+ ~setMonth(pMonth)
+ ~setYear(pYear)
Books
Receipt
receiptID: String
receiptDate: Date
receipt:Price: String
receiptTotal: Double
+ ~getreceiptID() : String
+ ~setreceiptID(pReceiptID : String)
+ ~getReceiptDate() : Date
+ ~setReceiptDate(pReceiptDate : Date)
+ ~getReceiptPrice() : String
+ ~setReceiptPrice(pReceiptPrice : String)
+ ~getReceiptTotal() : Double
+ ~setReceiptTotal(pReceiptTotal : Double)
+ ~generate()
generates
Bill
billNo: int
customerName: String
+ ~getBillNo() : int
+ ~setBillNo(pBillNo : int)
+ ~getCustomerName() : String
+ ~setCustomerName(pCustomerName : String)
Manager
managerID: String
managerFirstName: String
managerLastName: String
managerPhone: String
managerEmail: String
+ ~getManagerID() : String
+ ~setManagerID(pManagerID : String)
+ ~getManagerFirstName() : String
+ ~setManagerFirstName(pManagerFirstName : String)
+ ~getManagerLastName() : String
+ ~setManagerLastName(pManagerLastName : String)
+ ~getManagerPhone() : String
+ ~setManagerPhone(pManagerPhone : String)
+ ~getManagerEmail() : String
+ ~setManagerEmail(pManagerEmail : String)
Manages
Inventory
type: String
status: String
+ ~getType() : String
+ ~setType(pType : String)
+ ~getStatus() : String
+ ~setStatus(pStatus : String)
Manages
Rooms
roomNo: int
roomPrice: double
+ ~getRoomNo() : int
+ ~setRoomNo(pRoomNo : int)
+ ~getPrice() : double
+ ~setPrice(pPrice : double)
Have
Hotel
hotelName: String
hotelID: int
+ ~getHotelID() : String
+ ~setHotelID(pHotelID : String)
+ ~getHotelName() : String
+ ~setHotelName(pHotelName : String)
Books