<<Interface>>
DBAccess

+getAllAirPorts() : List<Airport>
+getAirPortByCode() : Airport
+getAirportLocationByCode() : Location
+getAirportCoordinateByCode() : Coordinate

implements

AirportTable

-dbs_where : String
-query : String

+getAllRecords() : List<Airport>
+getRecordByCode() : Airport
+getAirportLocationByCode() : Location
+getAirportCoordinateByCode() : Coordinate
+generateAirportFromResultSet : Airport

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DBTable

-dbq_select : String
-tableName : String
-host : String
-username : String
-password : String

Flight

-id : int
-takeOffTime : LocalDateTime
-originAirport : Airport
-destinationAirport : Airport

+setDateTime () : void
+getDateTime() : LocalDateTime
+setOriginAirport() : void
+getOriginAirport() : Airport
+setDestinationAirport() : void
+getDestinationAirport() : Airport
+isInTimeRange() : boolean
+validDestination() : boolean
+estimateFlightDistance() : double

has a

Airport

-code : AirportCode
-coordinate : Coordinate
-location : Location

+getCode() : AirportCode
+setCoordinate() : void
+getCoordinate() : Coordinate
+setLocation() : void
+getLocation() : Location

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Location

-City: String
-Country: String

+getCity() : String
+getCountry() : String

Coordinate

-Latitude: double
-Longitude: double

+getLatitude() : double
+getLongitude() : double

Order

-id : int
-quantity : int
-price : Price
-registrationTime : LocalDateTime
-customerInfo : Customer
-flight : Flight

+setId() : void
+getId() : String
+setQuantity() : void
+getQuantity() : int
+getPrice() : Price
+setRegistrationTime() : void
+getRegistrationTime() : LocalDateTime
+setCustomerInfo : void
+getCustomerInfo : Customer
+setFlight: Customer
+getFlight : Flight
+caculateOrderPrice() : void
+registerOrder() : void

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Customer

-nationalCode : long
-fullName : FullName
-birthDate : LocalDateTime
-address : Address
-phoneNumber : String

+setNationalCode() : void
+getNationalCode() : long
+setFullName() : void
+getFullName() : FullName
+setBirthbirthDate () : void
+getBirthbirthDate () : LocalDateTime
+setAddress() : void
+getAddress() : Address
+setPhoneNumber() : void
+getPhoneNumber() : String

Price

-amount : double
-currency : CurrencyType

+setAmount() : void
+getAmount() : double
+setCurrency () : void
+getCurrency () : Currency type

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Address

-city : City
-street : String
-postalCode : String

+setCity() : void
+getCity() : City
+setStreet() : void
+getStreet() : String
+setPostalCode() : void
+getPostalCode() : String

FullName

-firstName : String
-lastName : String

+setFirstName() : void
+getFirstName() : String
+setLastName() : void
+getLastName() : String