<<Interface>>

DBAccess

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



AirportTable

- -dbs_where : String
- -query : String
- +getAllRecords(): List<Airport>
- +getRecordByCode(): Airport
- +getAirportLocationByCode(): Location + getAirportCoordinateByCode(): Coordinate
- +generateAirportFromResultSet : Airport



DBTable

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

-password : String

- -takeOffTime : LocalDateTime
- -originAirport : Airport -destinationAirport : Airport
- +setDateTime () : void

Flight

+getDateTime() : LocalDateTime

-has a

- +setOriginAirport(): void
- +getOriginAirport() : Airport
- +setDestinationAirport() : void
- +getDestinationAirport(): Airport
- +isInTimeRange() : boolean
- +validDestination(): boolean
- +estimateFlightDistance() : double



Airport

- -code : AirportCode
- -coordinate : Coordinate
- -location : Location
- +getCode() : AirportCode
- +setCoordinate(): void
- +getCoordinate() : Coordinate
- +setLocation(): void
- +getLocation(): Location

Location

- -City: String
- -Country: String
- +getCity(): String +getCountry(): String
- - -Latitude: double

Coordinate

- -Longitude: double
- +getLatitude() : double
- +getLongitude(): double

+getPrice(): Price

-id:int

Order

- -quantity: int
- -price : Price -registrationTime : LocalDateTime
- -customerInfo : Customer
- -flight : Flight
- +setId(): void
- +getId(): String
- +setQuantity(): void +getQuantity() : int
- +setRegistrationTime(): void
- +getRegistrationTime(): LocalDateTime
- +setCustomerInfo : void
- +getCustomerInfo: Customer
- +setFlight: Customer +getFlight : Flight
- +caculateOrderPrice(): void
- +registerOrder(): void

has a has a

-amount : double

+setAmount(): void

-currency : CurrencyType

+getAmount() : double

+getCurrency () : Currency type

+setCurrency (): void

Customer

- -nationalCode : String -fullName : FullName
- -birthDate : LocalDateTime
- -address : Address
- -phoneNumber : String
- +setNationalCode(): void
- +getNationalCode(): String
- +setFullName(): void +getFullName(): FullName
- +setBirthbirthDate () : void
- +getBirthbirthDate () : LocalDateTime
- +setAddress(): void
- +getAddress(): Address
- +setPhoneNumber() : void
- +getPhoneNumber(): String
 - has a -has a

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