Flight -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 -has a-Coordinate -Latitude: double -Country: String -Longitude: double +getCity() : String +getLatitude() : double +getLongitude(): double +getCountry(): String

Location

-City: String

<<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 is a DBTable -dbq_select : String -tableName: String -host : String -username : String

-password : String

Order -id : String -quantity: int -price : double -registrationTime : LocalDateTime -customerInfo : Customer +setId(): void +getId(): String +setQuantity(): void +getQuantity() : int +getPrice() : double +setRegistrationTime(): void +getRegistrationTime(): LocalDateTime +setCustomerInfo : void +getCustomerInfo : Customer +caculateOrderPrice(): void +registerOrder(): void has a Customer -fullName : Name -birthDay : LocalDateTime -address : Address -phoneNumber: String +setName(): void +getName() : Name +setBirthDay (): void +getBirthDay () : LocalDateTime +setAddress(): void +getAddress() : Address +setPhoneNumber(): void +getPhoneNumber(): String -has a--has a-Name Address -firstName : String -city : City -lastName : String -street : String -postalCode : String +setFirstName() : void +setCity(): void +getFirstName() : String +getCity() : City +setLastName() : void +setStreet(): void +getLastName() : String +getStreet() : String +setPostalCode(): void +getPostalCode(): String