

The first two or three letters of the id correspond to their initials

«Role»

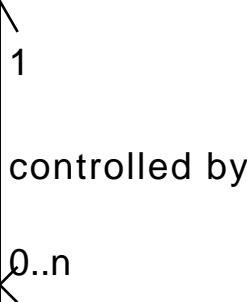
Manager {ValidManager}

+ identifier: String {Mandatory, Column(unique=true), Automapped}

+ experience: Integer {Mandatory, ValidNumber(min=0, max=120), Automapped}

+ birthDate: Date {Mandatory, ValidMoment(past=true), Temporal(TemporalType.TIMESTAMP)}

+ pictureLink: String {Optional, ValidUrl, Automapped}



«Entity»

Flight

+ tag: String {Mandatory, ValidString(min=1, max=50), Automapped}

+ indication: Indication {Mandatory, Valid, Automapped}

+ cost: Money {Mandatory, ValidMoney, Automapped}

+ description: String {Optional, ValidString, Automapped}

+ draftMode: boolean {Mandatory, Automapped}

+ scheduledDeparture: Date {Transient}

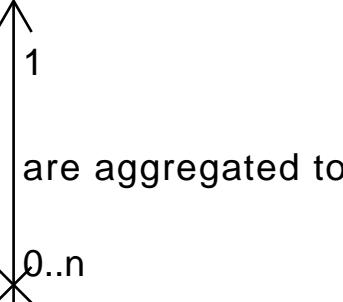
+ scheduledArrival: Date {Transient}

+ originCity: String {Transient}

+ destinationCity: String {Transient}

+ numberOfLayovers: Integer {Transient}

+ isAvalable: Boolean {Transient}



«Form»

ManagerDashboard

+ rankingBasedOnExperience; int

+ yearsToRetire: int

+ ratioOnTimeLegs: double

+ ratioDelayedLegs: double

+ mostPopularAirports: List<String>

+ lessPopularAirports: List<String>

+ numberOfLegsGroupedByStatus: Map<LegStatus,Integer>

+ avgDeviationOfCost: Money

+ minDeviationOfCost: Money

+ maxDeviationOfCost: Money

+ standardDesviationOfCost: Money

The three letters of the flight number are from the IATACode of the airline

«Enum»

LegStatus

+ ON_TIME

+ DELAYED

+ CANCELLED

+ LANDED

«Entity»

Leg {ValidLeg, ValidFlightNumber}

+ flightNumber: String {Mandatory, Column(unique=true), Automapped}

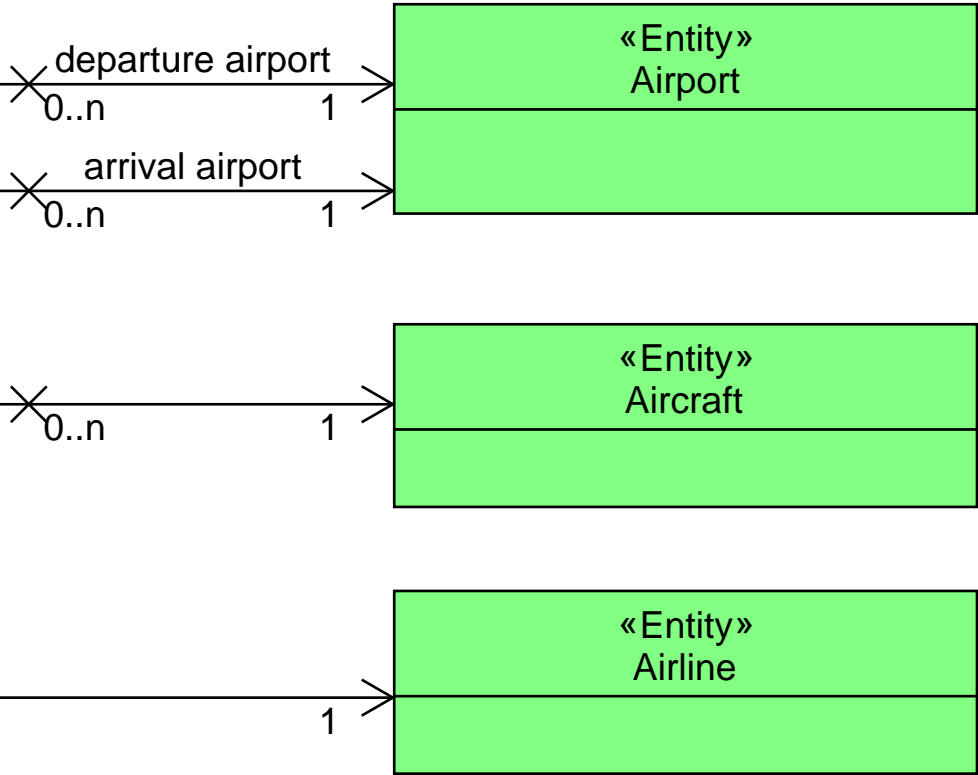
+ scheduledDeparture: Date {Mandatory, Temporal(TemporalType.TIMESTAMP), ValidMoment}

+ scheduledArrival: Date {Mandatory, Temporal(TemporalType.TIMESTAMP), ValidMoment}

+ status: LegStatus {Mandatory, Valid, Automapped}

+ draftMode: boolean {Mandatory, Automapped}

+ getDuration(): Double {Transient}



Duration must be in hours