Class Model

Package in package 'Model'

<div align="right">

Class Model
Version   Phase 1.0 Proposed
created on 2023-11-16. Last modified 2023-11-16

</div>

System

Package in package 'Class Model'

<div align="right">

System
Version 1.0 Phase 1.0 Proposed
created on 2005-11-19. Last modified 2005-11-19

</div>

System diagram

Class diagram in package 'System'

<div align="right">

System
Version 1.0
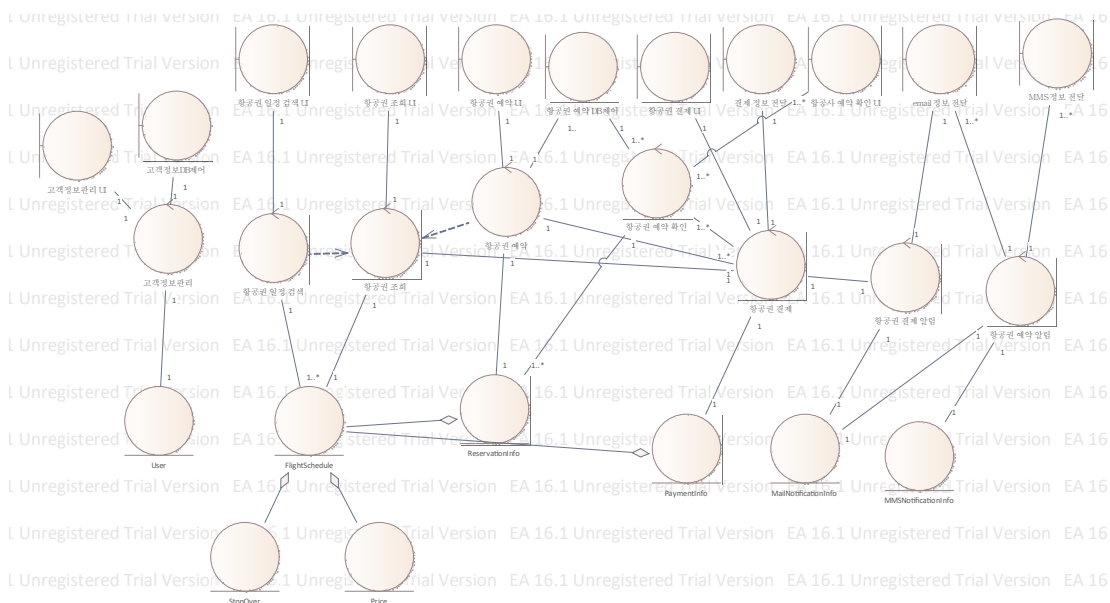SELAB created on 2023-11-16. Last modified 2023-11-22

</div>

Figure 1: System

Duration

Class «Type» in package 'System'

자바에 미리 정의되어있는 시간차이를 나타내는 클래스이다.

Duration
Version 1.0 Phase 1.0 Proposed
0508t created on 2023-11-21. Last modified 2023-11-21

email 정보 전달

Class «boundary» in package 'System'

email 정보 전달
Version 1.0 Phase 1.0 Proposed
0508t created on 2023-11-22. Last modified 2023-11-22

ASSOCIATIONS

✏ Association (direction: Unspecified)

Source: Public (Class) 항공권 결제 알림 «control»	Target: Public (Class) email 정보 전달 «boundary»
Cardinality: [1]	Cardinality: [1]

✏ Association (direction: Unspecified)

Source: Public (Class) 항공권 예약 알림 «control»	Target: Public (Class) email 정보 전달 «boundary»
Cardinality: [1]	Cardinality: [1..*]

OPERATIONS

◆ sendEmail (receiverAddress : String , message : String) : boolean Public
[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

FlightSchedule

Class «entity» in package 'System'

FlightSchedule
Version 1.0 Phase 1.0 Proposed
0508t created on 2023-11-21. Last modified 2023-11-21

OUTGOING STRUCTURAL RELATIONSHIPS

⬅ Aggregation from «entity» FlightSchedule to «entity» PaymentInfo
[Direction is 'Source -> Destination'.]

⬅ Aggregation from «entity» FlightSchedule to «entity» ReservationInfo
[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

➡ Aggregation from «entity» StopOver to «entity» FlightSchedule
[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Aggregation from «entity» Price to «entity» FlightSchedule

[Direction is 'Source -> Destination'.]

ATTRIBUTES

🔹 arrivalDate : LocalDate Private

[Is static False. Containment is Not Specified.]

🔹 arrivalTime : LocalTime Private

[Is static False. Containment is Not Specified.]

🔹 departureDate : LocalDate Private

[Is static False. Containment is Not Specified.]

🔹 departureTime : LocalTime Private

[Is static False. Containment is Not Specified.]

🔹 destination : String Private

[Is static False. Containment is Not Specified.]

🔹 flightScheduleID : String Private

[Is static False. Containment is Not Specified.]

🔹 hasStopOver : boolean Private

[Is static False. Containment is Not Specified.]

🔹 origin : String Private

[Is static False. Containment is Not Specified.]

🔹 priceInfo : Price Private

[Is static False. Containment is Not Specified.]

🔹 scheduleID : String Private

[Is static False. Containment is Not Specified.]

🔹 stopOverInfo : StopOver Private

[Is static False. Containment is Not Specified.]

ASSOCIATIONS

✏ Association (direction: Unspecified)

Source: Public (Class) 항공권 조회 «control»   Target: Public (Class) FlightSchedule «entity»
  Cardinality: [1]   Cardinality: [1]

ASSOCIATIONS

✏ Association (direction: Unspecified)

Source: Public (Class) 항공권 일정 검색 «control»   Target: Public (Class) FlightSchedule «entity»
  Cardinality: [1]   Cardinality: [1..*]

OPERATIONS

◆ getArrivalDate () : LocalDate Public
         [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ getArrivalTime () : LocalTime Public
         [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ getDeparture () : String Public
         [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ getDepartureDate () : LocalDate Public
         [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ getDepartureTime () : LocalTime Public
         [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ getFlightScheduleID () : String Public
         [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ getHasStopOver () : boolean Public
         [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ getOrigin () : String Public
         [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ getPriceInfo () : Price Public
         [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ getStopOverInfo () : StopOver Public
         [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ setArrivalDate (newArrivalDate : LocalDate) : void Public
         [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ setArrivalTime (newArrivalTime : LocalTime) : void Public
         [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ setDeparture (newDeparture : String) : void Public

OPERATIONS
[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
🔷 setDepartureDate (newDepartureDate : LocalDate) : void Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
🔷 setDepartureTime (newDepartureTime : LocalTime) : void Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
🔷 setFlightScheduleID (newFlightScheduleID : String) : void Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
🔷 setHasStopOver (newHasStopOver : boolean) : void Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
🔷 setOrigin (newOrigin : String) : void Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
🔷 setPriceInfo (newPriceInfo : Price) : void Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
🔷 setStopOverInfo (newStopOverInfo : StopOver) : void Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
🔷 toString () : String Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

LocalDate

Class «Type» in package 'System'

자바에 미리 정의되어있는 날짜 클래스이다.

LocalDate
Version 1.0 Phase 1.0 Proposed
0508t created on 2023-11-21. Last modified 2023-11-21

LocalDateTime

Class «type» in package 'System'

자바에 미리 정의되어있는 날짜시간 클래스이다.

LocalDateTime
Version 1.0 Phase 1.0 Proposed
0508t created on 2023-11-21. Last modified 2023-11-21

LocalTime

Class «Type» in package 'System'

자바에 미리 정의되어있는 시각 클래스이다.

<div align="right">

LocalTime
Version 1.0 Phase 1.0 Proposed
0508t created on 2023-11-21. Last modified 2023-11-21

</div>

MailNotificationInfo

Class «entity» in package 'System'

<div align="right">

MailNotificationInfo
Version 1.0 Phase 1.0 Proposed
0508t created on 2023-11-21. Last modified 2023-11-21

</div>

ATTRIBUTES	
◆ dateTimeSent : LocalDateTime Private	[Is static False. Containment is Not Specified.]
◆ email : String Private	[Is static False. Containment is Not Specified.]
◆ message : String Private	[Is static False. Containment is Not Specified.]
◆ notificationID : String Private	[Is static False. Containment is Not Specified.]
◆ userID : String Private	[Is static False. Containment is Not Specified.]

ASSOCIATIONS	
✏ Association (direction: Unspecified)	

Source: Public (Class) 항공권 결제 알림 «control»
   Cardinality: [1]
	Target: Public (Class) MailNotificationInfo «entity»
	   Cardinality: [1]

✏ Association (direction: Unspecified)	

Source: Public (Class) 항공권 예약 알림 «control»
   Cardinality: [1]
	Target: Public (Class) MailNotificationInfo «entity»
	   Cardinality: [1]

OPERATIONS

OPERATIONS
🔶 getDateTimeSent () : LocalDateTime Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
🔶 getEmail () : String Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
🔶 getMessage () : String Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
🔶 getNotificationID () : String Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
🔶 getUserID () : String Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
🔶 setDateTimeSent (newDateTimeSent : LocalDateTime) : void Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
🔶 setEmail (newEmail : String) : void Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
🔶 setMessage (newMessage : String) : void Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
🔶 setNotificationID (newNotificationID : String) : void Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
🔶 setUserID (newUserID : String) : void Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

MMS 정보 전달

Class «boundary» in package 'System'

MMS 정보 전달
Version 1.0 Phase 1.0 Proposed
0508t created on 2023-11-22. Last modified 2023-11-22

ASSOCIATIONS
✏️ Association (direction: Unspecified)

Source: Public (Class) 항공권 예약 알림 «control»   Target: Public (Class) MMS 정보 전달 «boundary»
  Cardinality: [1]   Cardinality: [1..*]

OPERATIONS
◆ sendMMS (phoneNumber : String , message : String) : void Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

MMSNotificationInfo

Class «entity» in package 'System'

<div align="right">

MMSNotificationInfo
Version 1.0 Phase 1.0 Proposed
0508t created on 2023-11-21. Last modified 2023-11-21

</div>

ATTRIBUTES
◆ dateTimeSent : LocalDateTime Private [Is static False. Containment is Not Specified.]
◆ message : String Private [Is static False. Containment is Not Specified.]
◆ notificationID : String Private [Is static False. Containment is Not Specified.]
◆ phoneNumber : String Private [Is static False. Containment is Not Specified.]
◆ userID : String Private [Is static False. Containment is Not Specified.]

ASSOCIATIONS
✎ Association (direction: Unspecified)

Source: Public (Class) 항공권 예약 알림 «control» Cardinality: [1]	Target: Public (Class) MMSNotificationInfo «entity» Cardinality: [1]

OPERATIONS
◆ getDateTimeSent () : LocalDateTime Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getMessage () : String Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getNotificationID () : String Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

OPERATIONS

💠 getPhoneNumber () : String Public
          [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

💠 getUserID () : String Public
          [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

💠 setDateTimeSent (newDateTimeSent : LocalDateTime) : void Public
          [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

💠 setMessage (newMessage : String) : void Public
          [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

💠 setNotificationID (newNotificationID : String) : void Public
          [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

💠 setPhoneNumber (newPhoneNumber : String) : void Public
          [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

💠 setUserID (newUserID : String) : void Public
          [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

PaymentInfo

Class «entity» in package 'System'

PaymentInfo
Version 1.0 Phase 1.0 Proposed
0508t created on 2023-11-21. Last modified 2023-11-21

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Aggregation from «entity» FlightSchedule to «entity» PaymentInfo
          [Direction is 'Source -> Destination'.]

ATTRIBUTES

💠 burnMileageAmount : int Private
          [Is static False. Containment is Not Specified.]

💠 discountInfo : String Private
          [Is static False. Containment is Not Specified.]

💠 earnMileageAmount : int Private
          [Is static False. Containment is Not Specified.]

ATTRIBUTES

◆ email : String Private

[Is static False. Containment is Not Specified.]

◆ finalPaymentAmount : float Private

[Is static False. Containment is Not Specified.]

◆ FlightScheduleInfo : FlightSchedule Private

[Is static False. Containment is Not Specified.]

◆ paymentID : String Private

[Is static False. Containment is Not Specified.]

◆ paymentMethod : int Private

[Is static False. Containment is Not Specified.]

ASSOCIATIONS

✎ Association (direction: Unspecified)

Source: Public (Class) 항공권 결제 «control»   Target: Public (Class) PaymentInfo «entity»
    Cardinality: [1]   Cardinality: [1]

OPERATIONS

◆ getBurnMileageAmount () : int Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ getDiscountInfo () : String Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ getEarnMileageAmount () : int Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ getEmail () : String Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ getFinalPaymentAmount () : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ getFlightScheduleInfo () : FlightSchedule Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ getPaymentID () : String Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

OPERATIONS

🔹 getPaymentMethod () : int Public
[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

🔹 setBurnMileageAmount (newBurnMileageAmount : int) : void Public
[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

🔹 setDiscountInfo (newDiscountInfo : String) : void Public
[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

🔹 setEarnMileageAmount (newEarnMileageAmount : int) : void Public
[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

🔹 setEmail (newEmail : String) : void Public
[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

🔹 setFinalPaymentAmount (newFinalPaymentAmount : float) : void Public
[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

🔹 setFlightScheduleInfo (newFlightScheduleInfo : FlightSchedule) : void Public
[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

🔹 setPaymentID (newPaymentID : String) : void Public
[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

🔹 setPaymentMethod (newPaymentMethod : int) : void Public
[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

Price

Class «entity» in package 'System'

Price
Version 1.0 Phase 1.0 Proposed
0508t created on 2023-11-21. Last modified 2023-11-21

OUTGOING STRUCTURAL RELATIONSHIPS

⬅ Aggregation from «entity» Price to «entity» FlightSchedule
[Direction is 'Source -> Destination'.]

ATTRIBUTES

🔹 fuelCost : float Private
[Is static False. Containment is Not Specified.]

ATTRIBUTES
◆ optionCost : float Private
[Is static False. Containment is Not Specified.]
◆ otherCost : float Private
[Is static False. Containment is Not Specified.]

OPERATIONS
◆ getFuelCost () : float Public
[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getOptionCost () : float Public
[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getOtherCost () : float Public
[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getTotalCost () : float Public
[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setFuelCost (newFuelCost : float) : void Public
[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setOptionCost (newOptionCost : float) : void Public
[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setOtherCost (newOtherCost : float) : void Public
[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setTotalCost (newTotalCost : float) : void Public
[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

ReservationInfo

Class «entity» in package 'System'

ReservationInfo
Version 1.0 Phase 1.0 Proposed
0508t created on 2023-11-21. Last modified 2023-11-21

INCOMING STRUCTURAL RELATIONSHIPS
⇒ Aggregation from «entity» FlightSchedule to «entity» ReservationInfo
[Direction is 'Source -> Destination'.]

ATTRIBUTES

◆ address : String Private

[Is static False. Containment is Not Specified.]

◆ email : String Private

[Is static False. Containment is Not Specified.]

◆ flightScheduleInfo : FlightSchedule Private

[Is static False. Containment is Not Specified.]

◆ phoneNumber : String Private

[Is static False. Containment is Not Specified.]

◆ reservationID : String Private

[Is static False. Containment is Not Specified.]

◆ reservationName : String Private

[Is static False. Containment is Not Specified.]

ASSOCIATIONS

✎ Association (direction: Unspecified)

Source: Public (Class) 항공권 예약 «control»   Target: Public (Class) ReservationInfo «entity»
   Cardinality: [1]   Cardinality: [1]

✎ Association (direction: Unspecified)

Source: Public (Class) 항공권 예약 확인 «control»   Target: Public (Class) ReservationInfo «entity»
   Cardinality: [1]   Cardinality: [1..*]

OPERATIONS

◆ getAddress () : String Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ getEmail () : String Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ getFlightSchedule () : FlightSchedule Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ getPhoneNumber () : String Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ getReservationID () : String Public

OPERATIONS
[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

🔶 getReservationName () : String Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

🔶 setAddress (newAddress : String) : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

🔶 setEmail (newEmail : String) : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

🔶 setFlightSchedule (newFlightSchedule : FlightSchedule) : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

🔶 setPhoneNumber (newPhoneNumber : String) : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

🔶 setReservationID (newReservationID : String) : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

🔶 setReservationName (newReservationName : String) : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

🔶 toString () : String Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

StopOver

Class «entity» in package 'System'

StopOver
Version 1.0 Phase 1.0 Proposed
0508t created on 2023-11-21. Last modified 2023-11-21

OUTGOING STRUCTURAL RELATIONSHIPS

⬅ Aggregation from «entity» StopOver to «entity» FlightSchedule

[Direction is 'Source -> Destination'.]

ATTRIBUTES

🔶 arrivalDate : LocalDate Private

[Is static False. Containment is Not Specified.]

🔶 arrivalTime : LocalTime Private

[Is static False. Containment is Not Specified.]

ATTRIBUTES

◆ departureDate : LocalDate Private

[Is static False. Containment is Not Specified.]

◆ departureTime : LocalTime Private

[Is static False. Containment is Not Specified.]

◆ waitTime : Duration Private

[Is static False. Containment is Not Specified.]

OPERATIONS

◆ getArrivalDate () : LocalDate Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ getArrivalTime () : LoclaTime Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ getDepartureDate () : LocalTime Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ getDepartureTime () : LocalTime Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ getWaitTime () : Duration Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ setArrivalDate (newArrivalDate : LocalDate) : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ setArrivalTime (newArrivalTime : LocalTime) : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ setDepartureDate (newDepartureDate : LocalDate) : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ setDepartureTime (newDepartureTime : LocalTime) : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

String

Class «Type» in package 'System'

자바에 미리 정의되어있는 문자열 클래스이다.

User

Class «entity» in package 'System'

User
Version 1.0 Phase 1.0 Proposed
0508t created on 2023-11-21. Last modified 2023-11-21

ATTRIBUTES

◆ address : String Private

[Is static False. Containment is Not Specified.]

◆ email : String Private

[Is static False. Containment is Not Specified.]

◆ id : String Private

[Is static False. Containment is Not Specified.]

◆ name : String Private

[Is static False. Containment is Not Specified.]

◆ password : String Private

[Is static False. Containment is Not Specified.]

◆ phoneNumber : String Private

[Is static False. Containment is Not Specified.]

ASSOCIATIONS

✎ Association (direction: Unspecified)

Source: Public (Class) 고객정보관리 «control»   Target: Public (Class) User «entity»
    Cardinality: [1]   Cardinality: [1]

OPERATIONS

◆ getAddress () : String Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ getEmail () : String Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ getID () : String Public

OPERATIONS

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

🔶 getName () : String Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

🔶 getPhoneNumber () : String Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

🔶 getPW () : String Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

🔶 setAddress (newAddress : String) : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

🔶 setEmail (newEmail : String) : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

🔶 setName (newName : String) : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

🔶 setPhoneNumber (newPhoneNumber : String) : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

🔶 setPW (newPassword : String) : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

결제 정보 전달

Class «boundary» in package 'System'

결제 정보 전달
Version 1.0 Phase 1.0 Proposed
0508t created on 2023-11-22. Last modified 2023-11-22

ASSOCIATIONS

✏ Association (direction: Unspecified)

Source: Public (Class) 항공권 결제 «control»   Target: Public (Class) 결제 정보 전달 «boundary»
  Cardinality: [1]   Cardinality: [1]

OPERATIONS

🔶 sendPayRequest (totalCost : float) : boolean Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

고객정보DB제어

Class «boundary» in package 'System'

고객정보DB제어
Version 1.0 Phase 1.0 Proposed
0508t created on 2023-11-22. Last modified 2023-11-22

ASSOCIATIONS

✎ Association (direction: Unspecified)

Source: Public (Class) 고객정보관리 «control»
   Cardinality: [1]

Target: Public (Class) 고객정보DB제어
«boundary»
   Cardinality: [1]

OPERATIONS

◆ addUserToDB (user : User) : void Public
          [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ changeUserInfoToDB (user : User) : void Public
          [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ deleteUserFromDB (user : User) : void Public
          [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

고객정보관리

Class «control» in package 'System'

고객정보관리
Version 1.0 Phase 1.0 Proposed
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ASSOCIATIONS

✎ Association (direction: Unspecified)

Source: Public (Class) 고객정보관리 «control»
   Cardinality: [1]

Target: Public (Class) User «entity»
   Cardinality: [1]

✎ Association (direction: Unspecified)

Source: Public (Class) 고객정보관리 «control»
   Cardinality: [1]

Target: Public (Class) 고객정보DB제어
«boundary»
   Cardinality: [1]

✎ Association (direction: Unspecified)

ASSOCIATIONS

Source: Public (Class) 고객정보관리 UI «boundary»   Target: Public (Class) 고객정보관리 «control»

    Cardinality: [1]   Cardinality: [1]

OPERATIONS

🔹 addUser (ID : String , PW : String , name : String , email : String , phoneNumber : String , address : String , SSN : String)
: User Public

              [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

🔹 changeUserInfo (infoIndex : int , new value : String) : User Public

              [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

🔹 deleteUser (ID : String) : User Public

              [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

고객정보관리 UI

Class «boundary» in package 'System'

고객정보관리 UI
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0508t created on 2023-11-22. Last modified 2023-11-22

ASSOCIATIONS

✏️ Association (direction: Unspecified)

Source: Public (Class) 고객정보관리 UI «boundary»   Target: Public (Class) 고객정보관리 «control»

    Cardinality: [1]   Cardinality: [1]

OPERATIONS

🔹 addUser () : void Public

              [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

🔹 changeUserInfo () : void Public

              [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

🔹 deleteUser () : void Public

              [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

항공권 결제

Class «control» in package 'System'

항공권 결제
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ATTRIBUTES

🔹 paymentNotification : 항공권 결제 알림 Private

[Is static False. Containment is Not Specified.]

ASSOCIATIONS

✏ Association (direction: Unspecified)

Source: Public (Class) 항공권 결제 «control»   Target: Public (Class) 결제 정보 전달 «boundary»
   Cardinality: [1]   Cardinality: [1]

✏ Association (direction: Unspecified)

Source: Public (Class) 항공권 결제 «control»   Target: Public (Class) PaymentInfo «entity»
   Cardinality: [1]   Cardinality: [1]

✏ Association (direction: Unspecified)

Source: Public (Class) 항공권 결제 «control»   Target: Public (Class) 항공권 결제 알림 «control»
   Cardinality: [1]   Cardinality: [1]

✏ Association (direction: Unspecified)

Source: Public (Class) 항공권 결제 UI «boundary»   Target: Public (Class) 항공권 결제 «control»
   Cardinality: [1]   Cardinality: [1]

✏ Association (direction: Unspecified)

Source: Public (Class) 항공권 예약 «control»   Target: Public (Class) 항공권 결제 «control»
   Cardinality: [1]   Cardinality: [1]

✏ Association (direction: Unspecified)

Source: Public (Class) 항공권 예약 확인 «control»   Target: Public (Class) 항공권 결제 «control»
   Cardinality: [1..*]   Cardinality: [1..*]

✏ Association (direction: Unspecified)

Source: Public (Class) 항공권 조회 «control»   Target: Public (Class) 항공권 결제 «control»
   Cardinality: [1]   Cardinality: [1]

OPERATIONS

🔶 calculateFinalCost (price : Price , brunMileage : int , discountInfo : int) : int Private
[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

🔶 generatePayRequest (flightInfo : FlightSchedule , paymentInfo : int , email : String , burnMileageAmount : int ,

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OPERATIONS
earnMileageAmount : int , discountInfo : int) : PaymentInfo Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

항공권 결제 UI

Class «boundary» in package 'System'

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항공권 결제 UI
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ASSOCIATIONS

   ✏ Association (direction: Unspecified)

Source: Public (Class) 항공권 결제 UI «boundary»	Target: Public (Class) 항공권 결제 «control»
Cardinality: [1]	Cardinality: [1]

OPERATIONS

   ◆ getPayInfo () : void Public

        [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

   ◆ startInterface () : void Public

        [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

항공권 결제 알림

Class «control» in package 'System'

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항공권 결제 알림
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ATTRIBUTES

   ◆ mailNotificationInfo : MailNotificationInfo Private

        [Is static False. Containment is Not Specified.]

ASSOCIATIONS

   ✏ Association (direction: Unspecified)

Source: Public (Class) 항공권 결제 알림 «control»	Target: Public (Class) email 정보 전달 «boundary»
Cardinality: [1]	Cardinality: [1]

   ✏ Association (direction: Unspecified)

ASSOCIATIONS

Source: Public (Class) 항공권 결제 알림 «control»
  Cardinality: [1]

Target: Public (Class) MailNotificationInfo «entity»
  Cardinality: [1]

✎ Association (direction: Unspecified)

Source: Public (Class) 항공권 결제 «control»
  Cardinality: [1]

Target: Public (Class) 항공권 결제 알림 «control»
  Cardinality: [1]

OPERATIONS

◆ sendEmail (flightSchedule : FlightSchedule) : MailNotificationInfo Public
  [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

항공권 예약

Class «control» in package 'System'

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항공권 예약
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CONNECTORS

↗ **Dependency**   Source -> Destination
From: 항공권 예약 : Class, Public
To: 항공권 조회 : Class, Public

ATTRIBUTES

◆ pay : 항공권 결제 Private
  [Is static False. Containment is Not Specified.]

◆ reservationInfo : ReservationInfo Private
  [Is static False. Containment is Not Specified.]

ASSOCIATIONS

✎ Association (direction: Unspecified)

Source: Public (Class) 항공권 예약 «control»
  Cardinality: [1]

Target: Public (Class) 항공권 예약 DB 제어 «boundary»
  Cardinality: [1..]

✎ Association (direction: Unspecified)

Source: Public (Class) 항공권 예약 «control»
  Cardinality: [1]

Target: Public (Class) ReservationInfo «entity»
  Cardinality: [1]

ASSOCIATIONS

✏ Association (direction: Unspecified)

Source: Public (Class) 항공권 예약 «control»   Target: Public (Class) 항공권 결제 «control»
    Cardinality: [1]   Cardinality: [1]

✏ Association (direction: Unspecified)

Source: Public (Class) 항공권 예약 UI «boundary»   Target: Public (Class) 항공권 예약 «control»
    Cardinality: [1]   Cardinality: [1]

OPERATIONS

🔶 reservation (flightSchedule : FlightSchedule , reservationName : String , email : String , phoneNumber : String , address : String) : ReservationInfo Public
                    [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

항공권 예약 DB 제어

Class «boundary» in package 'System'

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항공권 예약 DB 제어
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ASSOCIATIONS

✏ Association (direction: Unspecified)

Source: Public (Class) 항공권 예약 «control»   Target: Public (Class) 항공권 예약 DB 제어
    Cardinality: [1]   «boundary»
                                            Cardinality: [1..]

✏ Association (direction: Unspecified)

Source: Public (Class) 항공권 예약 확인 «control»   Target: Public (Class) 항공권 예약 DB 제어
    Cardinality: [1..*]   «boundary»
                                            Cardinality: [1]

OPERATIONS

🔶 addReservationToDB (reservationInfo : ReservationInfo) : void Public
                    [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

🔶 getReservationFromDB (reservationID : String) : String[] Public
                    [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

🔶 getReservationFromDB (name : String) : String[] Public
                    [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

OPERATIONS

🔶 getReservationFromDB (email : String) : String[] Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

항공권 예약 **UI**

Class «boundary» in package 'System'

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ASSOCIATIONS

✏ Association (direction: Unspecified)

Source: Public (Class) 항공권 예약 UI «boundary»   Target: Public (Class) 항공권 예약 «control»
  Cardinality: [1]   Cardinality: [1]

OPERATIONS

🔶 reservation () : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

🔶 startInterface () : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

항공권 예약 알림

Class «control» in package 'System'

항공권 예약 알림
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ASSOCIATIONS

✏ Association (direction: Unspecified)

Source: Public (Class) 항공권 예약 알림 «control»   Target: Public (Class) MMS 정보 전달 «boundary»
  Cardinality: [1]   Cardinality: [1..*]

✏ Association (direction: Unspecified)

Source: Public (Class) 항공권 예약 알림 «control»   Target: Public (Class) email 정보 전달 «boundary»
  Cardinality: [1]   Cardinality: [1..*]

ASSOCIATIONS

✏ Association (direction: Unspecified)

Source: Public (Class) 항공권 예약 알림 «control»   Target: Public (Class) MailNotificationInfo
   Cardinality: [1]   «entity»
                                     Cardinality: [1]

✏ Association (direction: Unspecified)

Source: Public (Class) 항공권 예약 알림 «control»   Target: Public (Class) MMSNotificationInfo
   Cardinality: [1]   «entity»
                                       Cardinality: [1]

OPERATIONS

◆ sendEmail (reservationInfo : ReservationInfo) : MailNotificationInfo Public
                                 [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ sendMMS (reservationInfo : ReservationInfo) : MMSNotificationInfo Public
                                 [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

항공권 예약 확인

Class «control» in package 'System'

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항공권 예약 확인
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ATTRIBUTES

◆ pay : 항공권 결제 Private
                                 [Is static False. Containment is Not Specified.]

ASSOCIATIONS

✏ Association (direction: Unspecified)

Source: Public (Class) 항공권 예약 확인 «control»   Target: Public (Class) 항공권 예약 DB 제어
   Cardinality: [1..*]   «boundary»
                                       Cardinality: [1]

✏ Association (direction: Unspecified)

Source: Public (Class) 항공권 예약 확인 «control»   Target: Public (Class) ReservationInfo «entity»
   Cardinality: [1]   Cardinality: [1..*]

✏ Association (direction: Unspecified)

Source: Public (Class) 항공권 예약 확인 «control»   Target: Public (Class) 항공권 결제 «control»
   Cardinality: [1..*]   Cardinality: [1..*]

ASSOCIATIONS

✎ Association (direction: Unspecified)

Source: Public (Class) 항공사 예약 확인 UI «boundary»   Target: Public (Class) 항공권 예약 확인 «control»
  Cardinality: [1..*]   Cardinality: [1..*]

OPERATIONS

🔶 getReservationInfo (id : String) : ReservationInfo[] Public
                      [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

🔶 getReservationInfo (name : String) : ReservationInfo[] Public
                      [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

🔶 getReservationInfo (email : String) : ReservationInfo[] Public
                      [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

🔶 payRequest (reservationInfo : ReservationInfo) : void Public
                      [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

항공권 일정 검색

Class «control» in package 'System'

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항공권 일정 검색
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CONNECTORS

↗ **Dependency**   Source -> Destination
From: 항공권 일정 검색 : Class, Public
To: 항공권 조회 : Class, Public

ATTRIBUTES

🔶 flightSchedules : FlightSchedule[] Private
                    [Is static False. Containment is Not Specified.]

ASSOCIATIONS

✎ Association (direction: Unspecified)

Source: Public (Class) 항공권 일정 검색 «control»   Target: Public (Class) FlightSchedule «entity»
  Cardinality: [1]   Cardinality: [1..*]

✎ Association (direction: Unspecified)

ASSOCIATIONS

Source: Public (Class) 항공권 일정 검색 UI «boundary»   Target: Public (Class) 항공권 일정 검색 «control»
   Cardinality: [1]   Cardinality: [1]

OPERATIONS

🔶 getFlightSchedules (DepartureDate : LocalDateTime , DepartureTime : LocalTime , origin : String , departure : String , minPrice : int , maxPrice : int) : FlightSchedule[] Public
              [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

항공권 일정 검색 **UI**

Class «boundary» in package 'System'

항공권 일정 검색 UI
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ASSOCIATIONS

✏️ Association (direction: Unspecified)

Source: Public (Class) 항공권 일정 검색 UI «boundary»   Target: Public (Class) 항공권 일정 검색 «control»
   Cardinality: [1]   Cardinality: [1]

OPERATIONS

🔶 getFlightSchedules () : void Public
              [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

🔶 startInterface () : void Public
              [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

항공권 조회

Class «control» in package 'System'

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CONNECTORS

↗️ **Dependency**   Source -> Destination
From: 항공권 일정 검색 : Class, Public
To: 항공권 조회 : Class, Public

CONNECTORS

↗ **Dependency**   Source -> Destination
From: 항공권 예약 : Class, Public
To: 항공권 조회 : Class, Public

ATTRIBUTES

◆ flightSchedule : FlightSchedule Private

[Is static False. Containment is Not Specified.]

◆ pay : 항공권 결제 Private

[Is static False. Containment is Not Specified.]

ASSOCIATIONS

✎ Association (direction: Unspecified)

Source: Public (Class) 항공권 조회 «control»   Target: Public (Class) FlightSchedule «entity»
   Cardinality: [1]   Cardinality: [1]

✎ Association (direction: Unspecified)

Source: Public (Class) 항공권 조회 «control»   Target: Public (Class) 항공권 결제 «control»
   Cardinality: [1]   Cardinality: [1]

✎ Association (direction: Unspecified)

Source: Public (Class) 항공권 조회 UI «boundary»   Target: Public (Class) 항공권 조회 «control»
   Cardinality: [1]   Cardinality: [1]

OPERATIONS

◆ getFlightScheduleInfo (FlightScheduleID : String) : FlightSchedule Public
[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

항공권 조회 UI

Class «boundary» in package 'System'

항공권 조회 UI
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ASSOCIATIONS

✎ Association (direction: Unspecified)

Source: Public (Class) 항공권 조회 UI «boundary»   Target: Public (Class) 항공권 조회 «control»

ASSOCIATIONS

Cardinality: [1]	Cardinality: [1]

OPERATIONS

🔷 getFlightScheduleInfo () : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

🔷 startInterface () : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

항공사 예약 확인 UI

Class «boundary» in package 'System'

항공사 예약 확인 UI
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ASSOCIATIONS

✏ Association (direction: Unspecified)

Source: Public (Class) 항공사 예약 확인 UI «boundary»   Target: Public (Class) 항공권 예약 확인 «control»
   Cardinality: [1..*]   Cardinality: [1..*]

OPERATIONS

🔷 getReservationInfo () : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

🔷 payRequest () : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

🔷 startInterface () : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]