Boundary

kiosksUI

staffUI

Controller

KiosksController

+ checkWithBookingNum(String IDNumber):String
+ checkWithIDNum(String bookingNumber):String
+ checkWithIDCard(String idCardstring):String
+ writeCheckInformation()
+ setSeatChoice(String seatChoice)
+ setSpecialServiceChoice(LinkedList<String> specialService)
+ getCheckinInformation():String
+ setCreditCardInformation(String creditCardInf)
+ checkCreditCardValid(String creditCardInf):boolean
+ createBookingInfoEntity(String BookingInfo)

StaffController

+ staffLogin(String staffNum,String staffPassword):boolean
+ getPassengerList():String
+ checkCheckinStatus(String seatNum):String
+ readFlightInfData(String flightNum)
+ createFlightInfoEntity(String flightNum)

Entity

PassengerInfo

-ID Int
-firstName String
-lastName String
-Password String
-PhoneNum Int
-BankNum

+ Getter(params)
+ Setter(params)
+Constructor()

BookingInfo

-String firstName
-String lastName
-String flightNumber
-String boardingTime
-String boardingGate
-String seat
-String primaryFood
-String credFirst
-String credSecond
-String credNumber
-int securCode
-int extraServiceFee
-LinkedList<String> extraService

+ Getter(params)
+ Setter(params)

flight information

-String flightNumber
-String boardingTime
-String boardingGate

+ Getter(params)
+ Setter(params)
+Constructor()

ClassName	definition
PassengerInfo	Used to record basic information of the passenger,such as name,ID(Entity class)
BookingInfo	Used to record the booking information of passenger(Entity class)
StaffController	Used for control flows of flight staff application(Control class)
KiosksController	Used to encapsulate control and coordination of passenger's main actions and control flows(Control class)
StaffUI	The staff interface(Boundary class)
KiosksUI	The passenger interface(Boundary class)

Method name	definition
String checkWithIDNum(String IDNumber)	This method is used by the passengers to sort the booking information by the ID of the passengers
String checkWithBookingNum(String bookingNumber)	This method is used by the passengers to sort the booking information by the number of the booking
String checkWithIDCard(String idCardstring)	This method is used by the passengers to sort the booking information by IDcard
void createBookingInfoEntity(String BookingInfo)	This method is used by the passengers to create the booking information
void setCreditCardInformation(String creditCardInf)	This method is used by the passengers to set the credit card information
boolean checkCreditCardValid(String creditCardInf)	This method is used by the passengers to check if the credit card information is valid
void writeCheckInformation()	This method is used by the passengers to write the booking information
void setSeatChoice(String seatChoice)	This method is used by the passengers to select the seat they prefer
void setSpecialServiceChoice(LinkedList<String> specialService)	This method is used by the passengers to select the special services the like(the number of it is not fixed, so the collection Linklist is used)
String getCheckinInformation()	This method is used by the passengers to check the information

Method name	definition
boolean staffLogin(String staffNum,String staffPassword)	This method verifys the validation of the staff login in request
String getPassengerList()	This method is used by the staff to get the list of the passengers
String CheckinStatus(String seatNum)	This method is used by the staff to check the login in status of the passengers
void readFlightInfData(String flightNum)	This method is used buy staff to read the flight information data, given the flight number
void createFlightInfoEntity(String flightNum)	This method is used buy staff to create the flight information entity, given the flight number