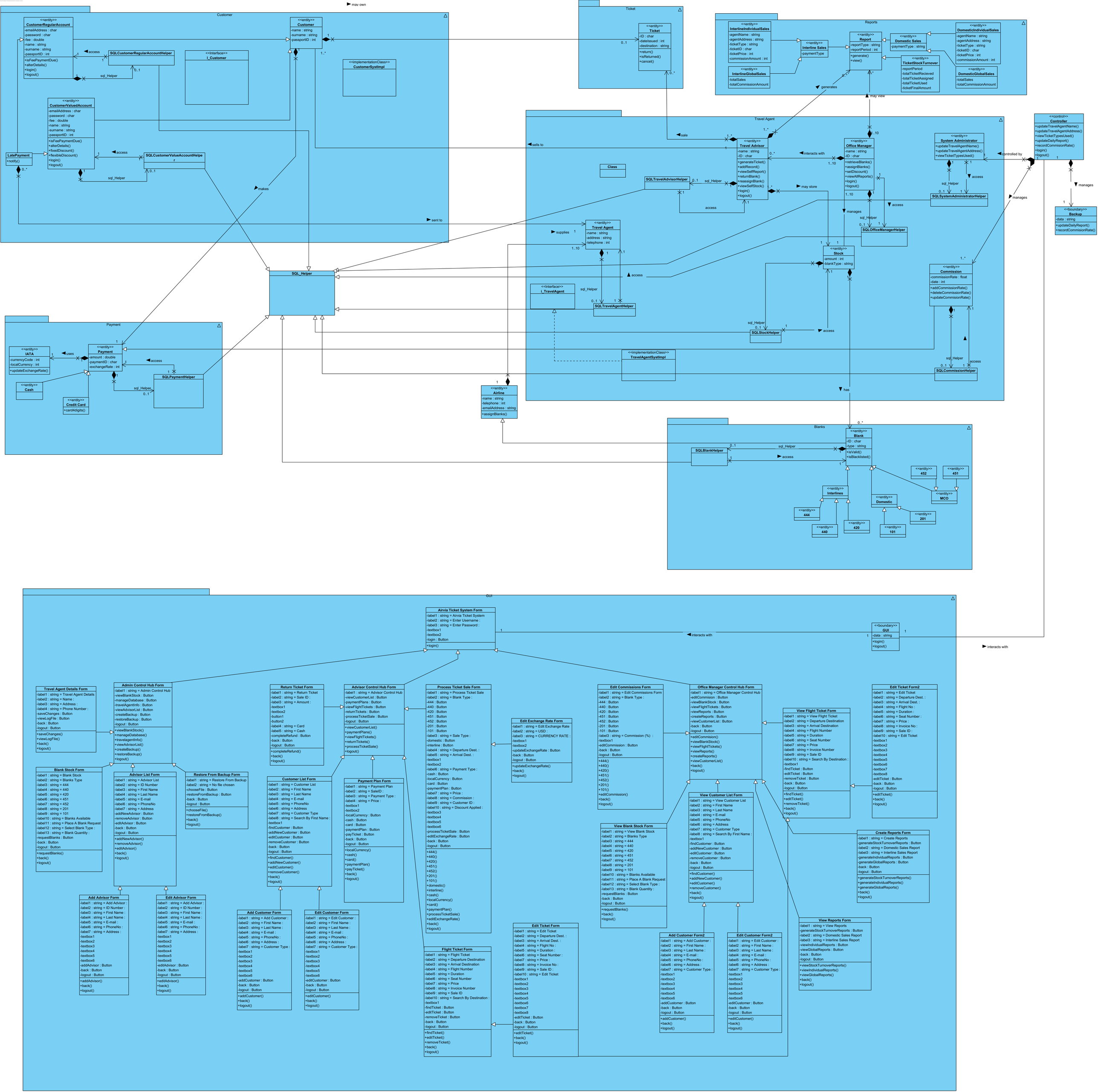
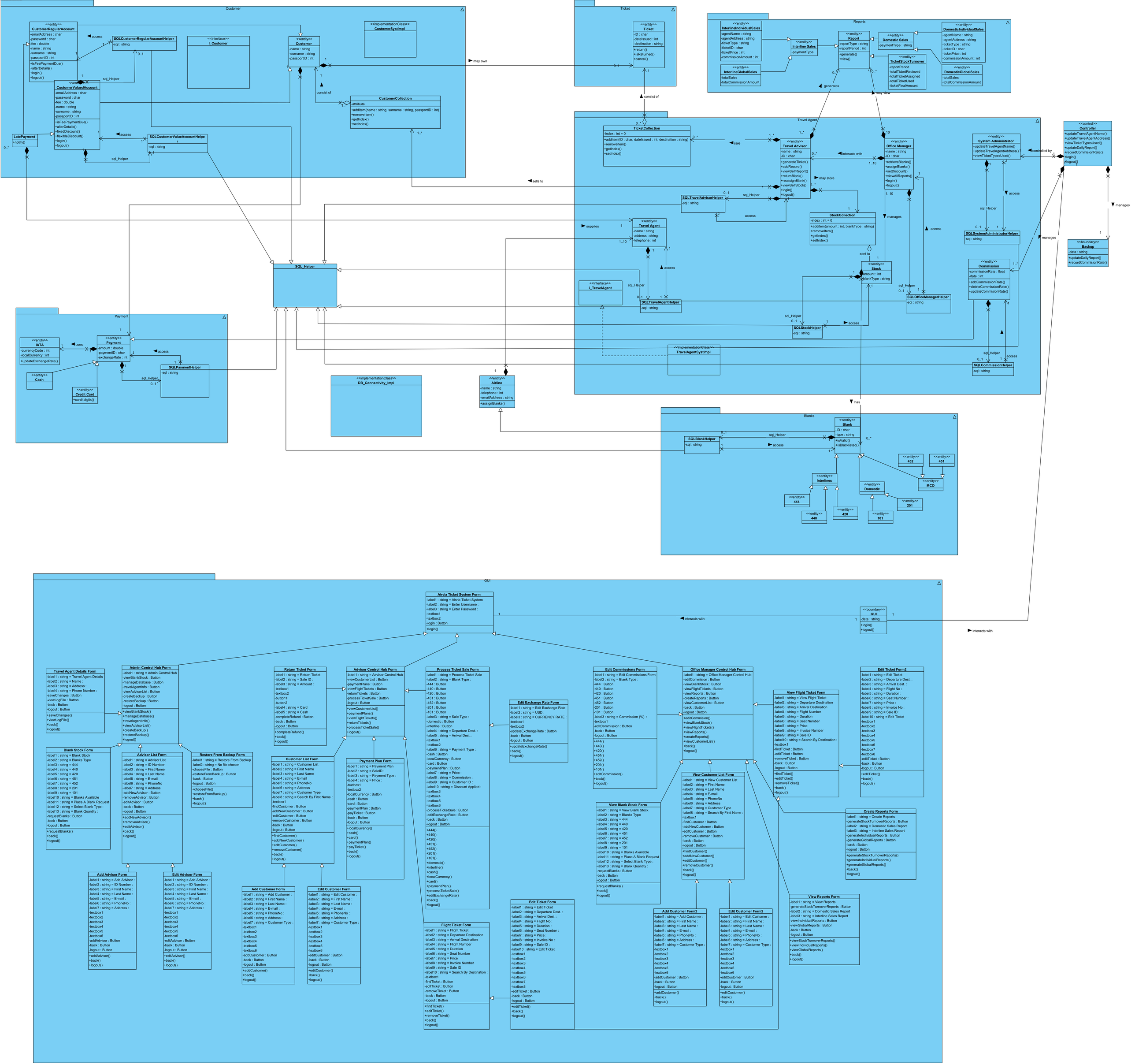
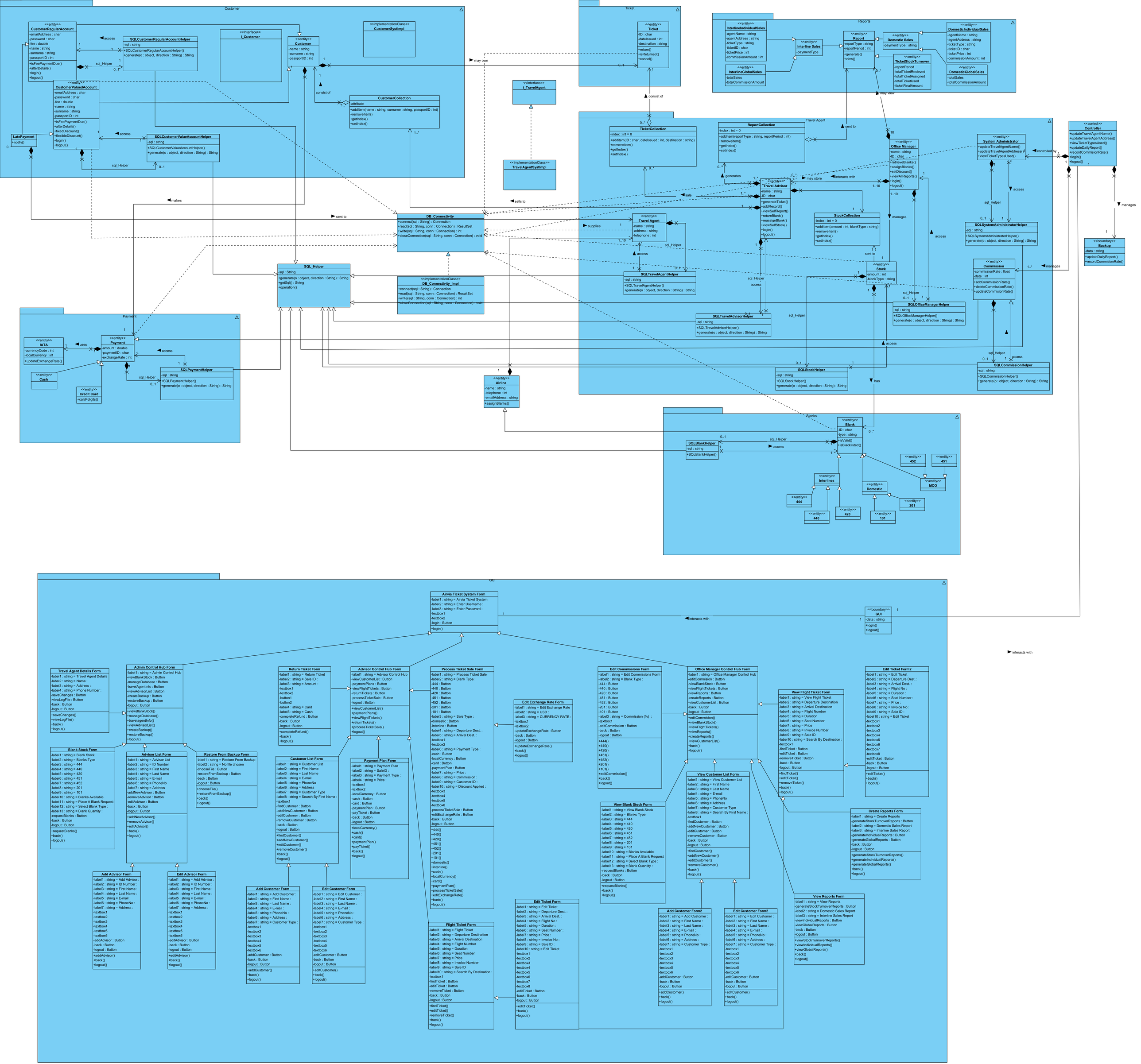
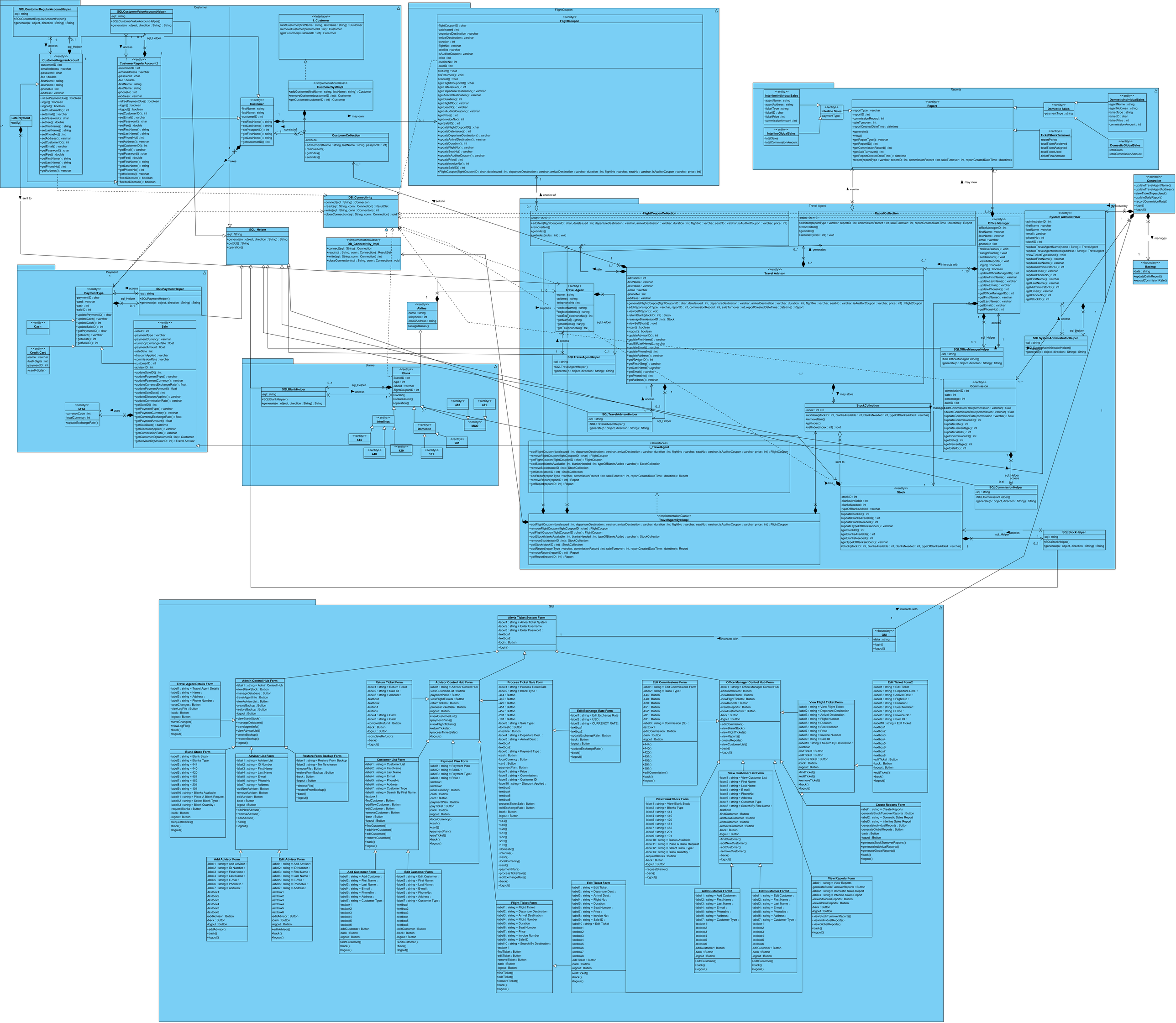

Customer
<<entity>>
CustomerRegularAccount
-emailAddress : char
-password : char
-fee : double
-name : string
-surname : string
-passportID : int
+isFeePaymentDue()
+alterDetails()
+login()
+logout()
SQLCustomerRegularAccountHelper
<<Interface>>
I_Customer
<<entity>>
Customer
-name : string
-surname : string
-passportID : int
<<implementationClass>>
CustomerSystImpl
<<entity>>
CustomerValuedAccount
-emailAddress : char
-password : char
-fee : double
-name : string
-surname : string
-passportID : int
+isFeePaymentDue()
+alterDetails()
+fixedDiscount()
+flexibleDiscount()
+login()
+logout()
SQLCustomerValueAccountHelper
LatePayment
+notify()
access
sql_Helper
makes
sent to
may own
Ticket
<<entity>>
Ticket
-ID : char
-dateIssued : int
-destination : string
+return()
+isReturned()
+cancel()
Reports
<<entity>>
InterlineIndividualSales
-agentName : string
-agentAddress : string
-ticketType : string
-ticketID : char
-ticketPrice : int
-commissionAmount : int
<<entity>>
InterlineGlobalSales
-totalSales
-totalCommissionAmount
<<entity>>
Interline Sales
-paymentType
<<entity>>
Report
-reportType : string
-reportPeriod : int
+generate()
+view()
<<entity>>
Domestic Sales
-paymentType : string
<<entity>>
TicketStockTurnover
-reportPeriod
-totalTicketRecieved
-totalTicketAssigned
-totalTicketUsed
-ticketFinalAmount
<<entity>>
DomesticIndividualSales
-agentName : string
-agentAddress : string
-ticketType : string
-ticketID : char
-ticketPrice : int
-commissionAmount : int
<<entity>>
DomesticGlobalSales
-totalSales
-totalCommissionAmount
generates
may view
Travel Agent
<<entity>>
Travel Advisor
-name : string
-ID : char
+generateTicket()
+addRecord()
+viewSelfReport()
+returnBlank()
+reassignBlank()
+viewSelfStock()
+login()
+logout()
SQLTravelAdvisorHelper
Class
<<entity>>
Office Manager
-name : string
-ID : char
+retrieveBlanks()
+assignBlanks()
+setDiscount()
+viewAllReports()
+login()
+logout()
SQLOfficeManagerHelper
<<entity>>
System Administrator
+updateTravelAgentName()
+updateTravelAgentAddress()
+viewTicketTypesUsed()
SQLSystemAdministratorHelper
<<entity>>
Travel Agent
-name : string
-address : string
-telephone : int
<<Interface>>
i_TravelAgent
SQLTravelAgentHelper
<<entity>>
Stock
-amount : int
-blankType : string
SQLStockHelper
<<entity>>
Commission
-commissionRate : float
-date : int
+addCommissionRate()
+deleteCommissionRate()
+updateCommissionRate()
SQLCommissionHelper
<<implementationClass>>
TravelAgentSystImpl
<<entity>>
Airline
-name : string
-telephone : int
-emailAddress : string
+assignBlanks()
sale
sells to
interacts with
may store
manages
controlled by
has
SQL_Helper
<<control>>
Controller
+updateTravelAgentName()
+updateTravelAgentAddress()
+viewTicketTypesUsed()
+updateDailyReport()
+recordCommisionRate()
+login()
+logout()
<<boundary>>
Backup
-data : string
+updateDailyReport()
+recordCommissionRate()
Payment
<<entity>>
IATA
-currencyCode : int
-localCurrency : int
+updateExchangeRate()
<<entity>>
Payment
-amount : double
-paymentID : char
-exchangeRate : int
<<entity>>
Cash
<<entity>>
Credit Card
+card4digits()
SQLPaymentHelper
uses
Blanks
<<entity>>
Blank
-ID : char
-type : string
+isValid()
+isBlacklisted()
SQLBlankHelper
<<entity>>
452
<<entity>>
451
<<entity>>
MCO
<<entity>>
Interlines
<<entity>>
444
<<entity>>
440
<<entity>>
420
<<entity>>
Domestic
<<entity>>
101
<<entity>>
201
GUI
Airvia Ticket System Form
-label1 : string = Airvia Ticket System
-label2 : string = Enter Username :
-label3 : string = Enter Password :
-textbox1
-textbox2
-login : Button
+login()
<<boundary>>
GUI
-data : string
+login()
+logout()
Travel Agent Details Form
-label1 : string = Travel Agent Details
-label2 : string = Name :
-label3 : string = Address :
-label4 : string = Phone Number :
-saveChanges : Button
-viewLogFile : Button
-back : Button
-logout : Button
+saveChanges()
+viewLogFile()
+back()
+logout()
Admin Control Hub Form
-label1 : string = Admin Control Hub
-viewBlankStock : Button
-manageDatabase : Button
-travelAgentInfo : Button
-viewAdvisorList : Button
-createBackup : Button
-restoreBackup : Button
-logout : Button
+viewBlankStock()
+manageDatabase()
+travelagentInfo()
+viewAdvisorList()
+createBackup()
+restoreBackup()
+logout()
Return Ticket Form
-label1 : string = Return Ticket
-label2 : string = Sale ID :
-label3 : string = Amount :
-textbox1
-textbox2
-button1
-button2
-label4 : string = Card
-label5 : string = Cash
-completeRefund : Button
-back : Button
-logout : Button
+completeRefund()
+back()
+logout()
Advisor Control Hub Form
-label1 : string = Advisor Control Hub
-viewCustomerList : Button
-paymentPlans : Button
-viewFlightTickets : Button
-returnTickets : Button
-processTicketSale : Button
-logout : Button
+viewCustomerList()
+paymentPlans()
+viewFlightTickets()
+returnTickets()
+processTicketSale()
+logout()
Process Ticket Sale Form
-label1 : string = Process Ticket Sale
-label2 : string = Blank Type :
-444 : Button
-440 : Button
-420 : Button
-451 : Button
-452 : Button
-201 : Button
-101 : Button
-label3 : string = Sale Type :
-domestic : Button
-interline : Button
-label4 : string = Departure Dest. :
-label5 : string = Arrival Dest. :
-textbox1
-textbox2
-label6 : string = Payment Type :
-cash : Button
-localCurrency : Button
-card : Button
-paymentPlan : Button
-label7 : string = Price :
-label8 : string = Commission :
-label9 : string = Customer ID :
-label10 : string = Discount Applied :
-textbox3
-textbox4
-textbox5
-textbox6
-processTicketSale : Button
-editExchangeRate : Button
-back : Button
-logout : Button
+444()
+440()
+420()
+451()
+452()
+201()
+101()
+domestic()
+interline()
+cash()
+localCurrency()
+card()
+paymentPlan()
+processTicketSale()
+editExchangeRate()
+back()
+logout()
Edit Exchange Rate Form
-label1 : string = Edit Exchange Rate
-label2 : string = USD :
-label3 : string = CURRENCY RATE :
-textbox1
-textbox2
-updateExchangeRate : Button
-back : Button
-logout : Button
+updateExchangeRate()
+back()
+logout()
Edit Commissions Form
-label1 : string = Edit Commissions Form
-label2 : string = Blank Type :
-444 : Button
-440 : Button
-420 : Button
-451 : Button
-452 : Button
-201 : Button
-101 : Button
-label3 : string = Commission (%) :
-textbox1
-editCommission : Button
-back : Button
-logout : Button
+444()
+440()
+420()
+451()
+452()
+201()
+101()
+editCommission()
+back()
+logout()
Office Manager Control Hub Form
-label1 : string = Office Manager Control Hub
-editCommision : Button
-viewBlankStock : Button
-viewFlightTickets : Button
-viewReports : Button
-createReports : Button
-viewCustomerList : Button
-back : Button
-logout : Button
+editCommision()
+viewBlankStock()
+viewFlightTickets()
+viewReports()
+createReports()
+viewCustomerList()
+back()
+logout()
View Flight Ticket Form
-label1 : string = View Flight Ticket
-label2 : string = Departure Destination
-label3 : string = Arrival Destination
-label4 : string = Flight Number
-label5 : string = Duration
-label6 : string = Seat Number
-label7 : string = Price
-label8 : string = Invoice Number
-label9 : string = Sale ID
-label10 : string = Search By Destination :
-textbox1
-findTicket : Button
-editTicket : Button
-removeTicket : Button
-back : Button
-logout : Button
+findTicket()
+editTicket()
+removeTicket()
+back()
+logout()
Edit Ticket Form2
-label1 : string = Edit Ticket
-label2 : string = Departure Dest. :
-label3 : string = Arrival Dest. :
-label4 : string = Flight No :
-label5 : string = Duration :
-label6 : string = Seat Number :
-label7 : string = Price :
-label8 : string = Invoice No :
-label9 : string = Sale ID :
-label10 : string = Edit Ticket
-textbox1
-textbox2
-textbox3
-textbox4
-textbox5
-textbox6
-textbox7
-textbox8
-editTicket : Button
-back : Button
-logout : Button
+editTicket()
+back()
+logout()
Blank Stock Form
-label1 : string = Blank Stock
-label2 : string = Blanks Type
-label3 : string = 444
-label4 : string = 440
-label5 : string = 420
-label6 : string = 451
-label7 : string = 452
-label8 : string = 201
-label9 : string = 101
-label10 : string = Blanks Available
-label11 : string = Place A Blank Request
-label12 : string = Select Blank Type :
-label13 : string = Blank Quantity :
-requestBlanks : Button
-back : Button
-logout : Button
+requestBlanks()
+back()
+logout()
Advisor List Form
-label1 : string = Advisor List
-label2 : string = ID Number
-label3 : string = First Name
-label4 : string = Last Name
-label5 : string = E-mail
-label6 : string = PhoneNo
-label7 : string = Address
-addNewAdvisor : Button
-removeAdvisor : Button
-editAdvisor : Button
-back : Button
-logout : Button
+addNewAdvisor()
+removeAdvisor()
+editAdvisor()
+back()
+logout()
Restore From Backup Form
-label1 : string = Restore From Backup
-label2 : string = No file chosen
-chooseFile : Button
-restoreFromBackup : Button
-back : Button
-logout : Button
+chooseFile()
+restoreFromBackup()
+back()
+logout()
Customer List Form
-label1 : string = Customer List
-label2 : string = First Name
-label3 : string = Last Name
-label4 : string = E-mail
-label5 : string = PhoneNo
-label6 : string = Address
-label7 : string = Customer Type
-label8 : string = Search By First Name :
-textbox1
-findCustomer : Button
-addNewCustomer : Button
-editCustomer : Button
-removeCustomer : Button
-back : Button
-logout : Button
+findCustomer()
+addNewCustomer()
+editCustomer()
+removeCustomer()
+back()
+logout()
Payment Plan Form
-label1 : string = Payment Plan
-label2 : string = SaleID :
-label3 : string = Payment Type :
-label4 : string = Price :
-textbox1
-textbox2
-localCurrency : Button
-cash : Button
-card : Button
-paymentPlan : Button
-payTicket : Button
-back : Button
-logout : Button
+localCurrency()
+cash()
+card()
+paymentPlan()
+payTicket()
+back()
+logout()
View Blank Stock Form
-label1 : string = View Blank Stock
-label2 : string = Blanks Type
-label3 : string = 444
-label4 : string = 440
-label5 : string = 420
-label6 : string = 451
-label7 : string = 452
-label8 : string = 201
-label9 : string = 101
-label10 : string = Blanks Available
-label11 : string = Place A Blank Request
-label12 : string = Select Blank Type :
-label13 : string = Blank Quantity :
-requestBlanks : Button
-back : Button
-logout : Button
+requestBlanks()
+back()
+logout()
View Customer List Form
-label1 : string = View Customer List
-label2 : string = First Name
-label3 : string = Last Name
-label4 : string = E-mail
-label5 : string = PhoneNo
-label6 : string = Address
-label7 : string = Customer Type
-label8 : string = Search By First Name :
-textbox1
-findCustomer : Button
-addNewCustomer : Button
-editCustomer : Button
-removeCustomer : Button
-back : Button
-logout : Button
+findCustomer()
+addNewCustomer()
+editCustomer()
+removeCustomer()
+back()
+logout()
Create Reports Form
-label1 : string = Create Reports
-generateStockTurnoverReports : Button
-label2 : string = Domestic Sales Report
-label3 : string = Interline Sales Report
-generateIndividualReports : Button
-generateGlobalReports : Button
-back : Button
-logout : Button
+generateStockTurnoverReports()
+generateIndividualReports()
+generateGlobalReports()
+back()
+logout()
Add Advisor Form
-label1 : string = Add Advisor :
-label2 : string = ID Number :
-label3 : string = First Name :
-label4 : string = Last Name :
-label5 : string = E-mail :
-label6 : string = PhoneNo :
-label7 : string = Address :
-textbox1
-textbox2
-textbox3
-textbox4
-textbox5
-textbox6
-addAdvisor : Button
-back : Button
-logout : Button
+addAdvisor()
+back()
+logout()
Edit Advisor Form
-label1 : string = Add Advisor :
-label2 : string = ID Number :
-label3 : string = First Name :
-label4 : string = Last Name :
-label5 : string = E-mail :
-label6 : string = PhoneNo :
-label7 : string = Address :
-textbox1
-textbox2
-textbox3
-textbox4
-textbox5
-textbox6
-editAdvisor : Button
-back : Button
-logout : Button
+editAdvisor()
+back()
+logout()
Add Customer Form
-label1 : string = Add Customer :
-label2 : string = First Name :
-label3 : string = Last Name :
-label4 : string = E-mail :
-label5 : string = PhoneNo :
-label6 : string = Address :
-label7 : string = Customer Type :
-textbox1
-textbox2
-textbox3
-textbox4
-textbox5
-textbox6
-addCustomer : Button
-back : Button
-logout : Button
+addCustomer()
+back()
+logout()
Edit Customer Form
-label1 : string = Edit Customer :
-label2 : string = First Name :
-label3 : string = Last Name :
-label4 : string = E-mail :
-label5 : string = PhoneNo :
-label6 : string = Address :
-label7 : string = Customer Type :
-textbox1
-textbox2
-textbox3
-textbox4
-textbox5
-textbox6
-editCustomer : Button
-back : Button
-logout : Button
+editCustomer()
+back()
+logout()
Flight Ticket Form
-label1 : string = Flight Ticket
-label2 : string = Departure Destination
-label3 : string = Arrival Destination
-label4 : string = Flight Number
-label5 : string = Duration
-label6 : string = Seat Number
-label7 : string = Price
-label8 : string = Invoice Number
-label9 : string = Sale ID
-label10 : string = Search By Destination :
-textbox1
-findTicket : Button
-editTicket : Button
-removeTicket : Button
-back : Button
-logout : Button
+findTicket()
+editTicket()
+removeTicket()
+back()
+logout()
Edit Ticket Form
-label1 : string = Edit Ticket
-label2 : string = Departure Dest. :
-label3 : string = Arrival Dest. :
-label4 : string = Flight No :
-label5 : string = Duration :
-label6 : string = Seat Number :
-label7 : string = Price :
-label8 : string = Invoice No :
-label9 : string = Sale ID :
-label10 : string = Edit Ticket
-textbox1
-textbox2
-textbox3
-textbox4
-textbox5
-textbox6
-textbox7
-textbox8
-editTicket : Button
-back : Button
-logout : Button
+editTicket()
+back()
+logout()
Add Customer Form2
-label1 : string = Add Customer :
-label2 : string = First Name :
-label3 : string = Last Name :
-label4 : string = E-mail :
-label5 : string = PhoneNo :
-label6 : string = Address :
-label7 : string = Customer Type :
-textbox1
-textbox2
-textbox3
-textbox4
-textbox5
-textbox6
-addCustomer : Button
-back : Button
-logout : Button
+addCustomer()
+back()
+logout()
Edit Customer Form2
-label1 : string = Edit Customer :
-label2 : string = First Name :
-label3 : string = Last Name :
-label4 : string = E-mail :
-label5 : string = PhoneNo :
-label6 : string = Address :
-label7 : string = Customer Type :
-textbox1
-textbox2
-textbox3
-textbox4
-textbox5
-textbox6
-editCustomer : Button
-back : Button
-logout : Button
+editCustomer()
+back()
+logout()
View Reports Form
-label1 : string = View Reports
-generateStockTurnoverReports : Button
-label2 : string = Domestic Sales Report
-label3 : string = Interline Sales Report
-viewIndividualReports : Button
-viewGlobalReports : Button
-back : Button
-logout : Button
+viewStockTurnoverReports()
+viewIndividualReports()
+viewGlobalReports()
+back()
+logout()
interacts with


Customer
<<entity>>
CustomerRegularAccount
-emailAddress : char
-password : char
-fee : double
-name : string
-surname : string
-passportID : int
+isFeePaymentDue()
+alterDetails()
+login()
+logout()
SQLCustomerRegularAccountHelper
-sql : string
<<Interface>>
I_Customer
<<entity>>
Customer
-name : string
-surname : string
-passportID : int
<<implementationClass>>
CustomerSystImpl
CustomerValuedAccount
-emailAddress : char
-password : char
-fee : double
-name : string
-surname : string
-passportID : int
+isFeePaymentDue()
+alterDetails()
+fixedDiscount()
+flexibleDiscount()
+login()
+logout()
LatePayment
+notify()
SQLCustomerValueAccountHelper
-sql : string
CustomerCollection
-attribute
+addItem(name : string, surname : string, passportID : int)
+removeItem()
+getIndex()
+setIndex()
access
sql_Helper
may own
consist of
Ticket
<<entity>>
Ticket
-ID : char
-dateIssued : int
-destination : string
+return()
+isReturned()
+cancel()
consist of
Reports
<<entity>>
InterlineIndividualSales
-agentName : string
-agentAddress : string
-ticketType : string
-ticketID : char
-ticketPrice : int
-commissionAmount : int
<<entity>>
InterlineGlobalSales
-totalSales
-totalCommissionAmount
<<entity>>
Interline Sales
-paymentType
<<entity>>
Report
-reportType : string
-reportPeriod : int
+generate()
+view()
<<entity>>
Domestic Sales
-paymentType : string
<<entity>>
TicketStockTurnover
-reportPeriod
-totalTicketRecieved
-totalTicketAssigned
-totalTicketUsed
-ticketFinalAmount
<<entity>>
DomesticIndividualSales
-agentName : string
-agentAddress : string
-ticketType : string
-ticketID : char
-ticketPrice : int
-commissionAmount : int
<<entity>>
DomesticGlobalSales
-totalSales
-totalCommissionAmount
generates
may view
Travel Agent
TicketCollection
-index : int = 0
+additem(ID : char, dateIssued : int, destination : string)
+removeitem()
+getIndex()
+setIndex()
sale
<<entity>>
Travel Advisor
-name : string
-ID : char
+generateTicket()
+addRecord()
+viewSelfReport()
+returnBlank()
+reassignBlank()
+viewSelfStock()
+login()
+logout()
interacts with
<<entity>>
Office Manager
-name : string
-ID : char
+retrieveBlanks()
+assignBlanks()
+setDiscount()
+viewAllReports()
+login()
+logout()
may store
SQLTravelAdvisorHelper
-sql : string
StockCollection
-index : int = 0
+additem(amount : int, blankType : string)
+removeItem()
+getIndex()
+setIndex()
manages
sent to
<<entity>>
Stock
-amount : int
-blankType : string
<<entity>>
System Administrator
+updateTravelAgentName()
+updateTravelAgentAddress()
+viewTicketTypesUsed()
controlled by
<<control>>
Controller
+updateTravelAgentName()
+updateTravelAgentAddress()
+viewTicketTypesUsed()
+updateDailyReport()
+recordCommissionRate()
+login()
+logout()
SQLSystemAdministratorHelper
-sql : string
<<entity>>
Commission
-commissionRate : float
-date : int
+addCommissionRate()
+deleteCommissionRate()
+updateCommissionRate()
<<boundary>>
Backup
-data : string
+updateDailyReport()
+recordCommissionRate()
manages
sell to
supplies
<<entity>>
Travel Agent
-name : string
-address : string
-telephone : int
<<Interface>>
I_TravelAgent
SQLTravelAgentHelper
-sql : string
SQLOfficeManagerHelper
-sql : string
SQLStockHelper
-sql : string
SQLCommissionHelper
-sql : string
<<implementationClass>>
TravelAgentSystImpl
SQL_Helper
Payment
<<entity>>
IATA
-currencyCode : int
-localCurrency : int
+updateExchangeRate()
<<entity>>
Payment
-amount : double
-paymentID : char
-exchangeRate : int
uses
<<entity>>
Cash
<<entity>>
Credit Card
+card4digits()
SQLPaymentHelper
-sql : string
<<implementationClass>>
DB_Connectivity_Impl
<<entity>>
Airline
-name : string
-telephone : int
-emailAddress : string
+assignBlanks()
has
Blanks
<<entity>>
Blank
-ID : char
-type : string
+isValid()
+isBlacklisted()
SQLBlankHelper
-sql : string
<<entity>>
452
<<entity>>
451
<<entity>>
MCO
<<entity>>
Interlines
<<entity>>
Domestic
<<entity>>
444
<<entity>>
440
<<entity>>
420
<<entity>>
101
<<entity>>
201
GUI
Airvia Ticket System Form
-label1 : string = Airvia Ticket System
-label2 : string = Enter Username :
-label3 : string = Enter Password :
-textbox1
-textbox2
-login : Button
+login()
interacts with
<<boundary>>
GUI
-data : string
+login()
+logout()
interacts with
Travel Agent Details Form
-label1 : string = Travel Agent Details
-label2 : string = Name :
-label3 : string = Address :
-label4 : string = Phone Number :
-saveChanges : Button
-viewLogFile : Button
-back : Button
-logout : Button
+saveChanges()
+viewLogFile()
+back()
+logout()
Admin Control Hub Form
-label1 : string = Admin Control Hub
-viewBlankStock : Button
-manageDatabase : Button
-travelAgentInfo : Button
-viewAdvisorList : Button
-createBackup : Button
-restoreBackup : Button
-logout : Button
+viewBlankStock()
+manageDatabase()
+travelagentInfo()
+viewAdvisorList()
+createBackup()
+restoreBackup()
+logout()
Return Ticket Form
-label1 : string = Return Ticket
-label2 : string = Sale ID :
-label3 : string = Amount :
-textbox1
-textbox2
-button1
-button2
-label4 : string = Card
-label5 : string = Cash
-completeRefund : Button
-back : Button
-logout : Button
+completeRefund()
+back()
+logout()
Advisor Control Hub Form
-label1 : string = Advisor Control Hub
-viewCustomerList : Button
-paymentPlans : Button
-viewFlightTickets : Button
-returnTickets : Button
-processTicketSale : Button
-logout : Button
+viewCustomerList()
+paymentPlans()
+viewFlightTickets()
+returnTickets()
+processTicketSale()
+logout()
Process Ticket Sale Form
-label1 : string = Process Ticket Sale
-label2 : string = Blank Type :
-444 : Button
-440 : Button
-420 : Button
-451 : Button
-452 : Button
-201 : Button
-101 : Button
-label3 : string = Sale Type :
-domestic : Button
-interline : Button
-label4 : string = Departure Dest. :
-label5 : string = Arrival Dest. :
-textbox1
-textbox2
-label6 : string = Payment Type :
-cash : Button
-localCurrency : Button
-card : Button
-paymentPlan : Button
-label7 : string = Price :
-label8 : string = Commission :
-label9 : string = Customer ID :
-label10 : string = Discount Applied :
-textbox3
-textbox4
-textbox5
-textbox6
-processTicketSale : Button
-editExchangeRate : Button
-back : Button
-logout : Button
+444()
+440()
+420()
+451()
+452()
+201()
+101()
+domestic()
+interline()
+cash()
+localCurrency()
+card()
+paymentPlan()
+processTicketSale()
+editExchangeRate()
+back()
+logout()
Edit Exchange Rate Form
-label1 : string = Edit Exchange Rate
-label2 : string = USD :
-label3 : string = CURRENCY RATE :
-textbox1
-textbox2
-updateExchangeRate : Button
-back : Button
-logout : Button
+updateExchangeRate()
+back()
+logout()
Edit Commissions Form
-label1 : string = Edit Commissions Form
-label2 : string = Blank Type :
-444 : Button
-440 : Button
-420 : Button
-451 : Button
-452 : Button
-201 : Button
-101 : Button
-label3 : string = Commission (%) :
-textbox1
-editCommission : Button
-back : Button
-logout : Button
+444()
+440()
+420()
+451()
+452()
+201()
+101()
+editCommission()
+back()
+logout()
Office Manager Control Hub Form
-label1 : string = Office Manager Control Hub
-editCommision : Button
-viewBlankStock : Button
-viewFlightTickets : Button
-viewReports : Button
-createReports : Button
-viewCustomerList : Button
-back : Button
-logout : Button
+editCommission()
+viewBlankStock()
+viewFlightTickets()
+viewReports()
+createReports()
+viewCustomerList()
+back()
+logout()
View Flight Ticket Form
-label1 : string = View Flight Ticket
-label2 : string = Departure Destination
-label3 : string = Arrival Destination
-label4 : string = Flight Number
-label5 : string = Duration
-label6 : string = Seat Number
-label7 : string = Price
-label8 : string = Invoice Number
-label9 : string = Sale ID
-label10 : string = Search By Destination :
-textbox1
-findTicket : Button
-editTicket : Button
-removeTicket : Button
-back : Button
-logout : Button
+findTicket()
+editTicket()
+removeTicket()
+back()
+logout()
Edit Ticket Form2
-label1 : string = Edit Ticket
-label2 : string = Departure Dest. :
-label3 : string = Arrival Dest. :
-label4 : string = Flight No :
-label5 : string = Duration :
-label6 : string = Seat Number :
-label7 : string = Price :
-label8 : string = Invoice No :
-label9 : string = Sale ID :
-label10 : string = Edit Ticket
-textbox1
-textbox2
-textbox3
-textbox4
-textbox5
-textbox6
-textbox7
-textbox8
-editTicket : Button
-back : Button
-logout : Button
+editTicket()
+back()
+logout()
Blank Stock Form
-label1 : string = Blank Stock
-label2 : string = Blanks Type
-label3 : string = 444
-label4 : string = 440
-label5 : string = 420
-label6 : string = 451
-label7 : string = 452
-label8 : string = 201
-label9 : string = 101
-label10 : string = Blanks Available
-label11 : string = Place A Blank Request
-label12 : string = Select Blank Type :
-label13 : string = Blank Quantity :
-requestBlanks : Button
-back : Button
-logout : Button
+requestBlanks()
+back()
+logout()
Advisor List Form
-label1 : string = Advisor List
-label2 : string = ID Number
-label3 : string = First Name
-label4 : string = Last Name
-label5 : string = E-mail
-label6 : string = PhoneNo
-label7 : string = Address
-addNewAdvisor : Button
-removeAdvisor : Button
-editAdvisor : Button
-back : Button
-logout : Button
+addNewAdvisor()
+removeAdvisor()
+editAdvisor()
+back()
+logout()
Restore From Backup Form
-label1 : string = Restore From Backup
-label2 : string = No file chosen
-chooseFile : Button
-restoreFromBackup : Button
-back : Button
-logout : Button
+chooseFile()
+restoreFromBackup()
+back()
+logout()
Customer List Form
-label1 : string = Customer List
-label2 : string = First Name
-label3 : string = Last Name
-label4 : string = E-mail
-label5 : string = PhoneNo
-label6 : string = Address
-label7 : string = Customer Type
-label8 : string = Search By First Name :
-textbox1
-findCustomer : Button
-addNewCustomer : Button
-editCustomer : Button
-removeCustomer : Button
-back : Button
-logout : Button
+findCustomer()
+addNewCustomer()
+editCustomer()
+removeCustomer()
+back()
+logout()
Payment Plan Form
-label1 : string = Payment Plan
-label2 : string = SaleID :
-label3 : string = Payment Type :
-label4 : string = Price :
-textbox1
-textbox2
-localCurrency : Button
-cash : Button
-card : Button
-paymentPlan : Button
-payTicket : Button
-back : Button
-logout : Button
+localCurrency()
+cash()
+card()
+paymentPlan()
+payTicket()
+back()
+logout()
View Blank Stock Form
-label1 : string = View Blank Stock
-label2 : string = Blanks Type
-label3 : string = 444
-label4 : string = 440
-label5 : string = 420
-label6 : string = 451
-label7 : string = 452
-label8 : string = 201
-label9 : string = 101
-label10 : string = Blanks Available
-label11 : string = Place A Blank Request
-label12 : string = Select Blank Type :
-label13 : string = Blank Quantity :
-requestBlanks : Button
-back : Button
-logout : Button
+requestBlanks()
+back()
+logout()
View Customer List Form
-label1 : string = View Customer List
-label2 : string = First Name
-label3 : string = Last Name
-label4 : string = E-mail
-label5 : string = PhoneNo
-label6 : string = Address
-label7 : string = Customer Type
-label8 : string = Search By First Name :
-textbox1
-findCustomer : Button
-addNewCustomer : Button
-editCustomer : Button
-removeCustomer : Button
-back : Button
-logout : Button
+findCustomer()
+addNewCustomer()
+editCustomer()
+removeCustomer()
+back()
+logout()
Create Reports Form
-label1 : string = Create Reports
-generateStockTurnoverReports : Button
-label2 : string = Domestic Sales Report
-label3 : string = Interline Sales Report
-generateIndividualReports : Button
-generateGlobalReports : Button
-back : Button
-logout : Button
+generateStockTurnoverReports()
+generateIndividualReports()
+generateGlobalReports()
+back()
+logout()
Add Advisor Form
-label1 : string = Add Advisor :
-label2 : string = ID Number :
-label3 : string = First Name :
-label4 : string = Last Name :
-label5 : string = E-mail :
-label6 : string = PhoneNo :
-label7 : string = Address :
-textbox1
-textbox2
-textbox3
-textbox4
-textbox5
-textbox6
-addAdvisor : Button
-back : Button
-logout : Button
+addAdvisor()
+back()
+logout()
Edit Advisor Form
-label1 : string = Add Advisor :
-label2 : string = ID Number :
-label3 : string = First Name :
-label4 : string = Last Name :
-label5 : string = E-mail :
-label6 : string = PhoneNo :
-label7 : string = Address :
-textbox1
-textbox2
-textbox3
-textbox4
-textbox5
-textbox6
-editAdvisor : Button
-back : Button
-logout : Button
+editAdvisor()
+back()
+logout()
Add Customer Form
-label1 : string = Add Customer :
-label2 : string = First Name :
-label3 : string = Last Name :
-label4 : string = E-mail :
-label5 : string = PhoneNo :
-label6 : string = Address :
-label7 : string = Customer Type :
-textbox1
-textbox2
-textbox3
-textbox4
-textbox5
-textbox6
-addCustomer : Button
-back : Button
-logout : Button
+addCustomer()
+back()
+logout()
Edit Customer Form
-label1 : string = Edit Customer :
-label2 : string = First Name :
-label3 : string = Last Name :
-label4 : string = E-mail :
-label5 : string = PhoneNo :
-label6 : string = Address :
-label7 : string = Customer Type :
-textbox1
-textbox2
-textbox3
-textbox4
-textbox5
-textbox6
-editCustomer : Button
-back : Button
-logout : Button
+editCustomer()
+back()
+logout()
Flight Ticket Form
-label1 : string = Flight Ticket
-label2 : string = Departure Destination
-label3 : string = Arrival Destination
-label4 : string = Flight Number
-label5 : string = Duration
-label6 : string = Seat Number
-label7 : string = Price
-label8 : string = Invoice Number
-label9 : string = Sale ID
-label10 : string = Search By Destination :
-textbox1
-findTicket : Button
-editTicket : Button
-removeTicket : Button
-back : Button
-logout : Button
+findTicket()
+editTicket()
+removeTicket()
+back()
+logout()
Edit Ticket Form
-label1 : string = Edit Ticket
-label2 : string = Departure Dest. :
-label3 : string = Arrival Dest. :
-label4 : string = Flight No :
-label5 : string = Duration :
-label6 : string = Seat Number :
-label7 : string = Price :
-label8 : string = Invoice No :
-label9 : string = Sale ID :
-label10 : string = Edit Ticket
-textbox1
-textbox2
-textbox3
-textbox4
-textbox5
-textbox6
-textbox7
-textbox8
-editTicket : Button
-back : Button
-logout : Button
+editTicket()
+back()
+logout()
Add Customer Form2
-label1 : string = Add Customer :
-label2 : string = First Name :
-label3 : string = Last Name :
-label4 : string = E-mail :
-label5 : string = PhoneNo :
-label6 : string = Address :
-label7 : string = Customer Type :
-textbox1
-textbox2
-textbox3
-textbox4
-textbox5
-textbox6
-addCustomer : Button
-back : Button
-logout : Button
+addCustomer()
+back()
+logout()
Edit Customer Form2
-label1 : string = Edit Customer :
-label2 : string = First Name :
-label3 : string = Last Name :
-label4 : string = E-mail :
-label5 : string = PhoneNo :
-label6 : string = Address :
-label7 : string = Customer Type :
-textbox1
-textbox2
-textbox3
-textbox4
-textbox5
-textbox6
-editCustomer : Button
-back : Button
-logout : Button
+editCustomer()
+back()
+logout()
View Reports Form
-label1 : string = View Reports
-generateStockTurnoverReports : Button
-label2 : string = Domestic Sales Report
-label3 : string = Interline Sales Report
-viewIndividualReports : Button
-viewGlobalReports : Button
-back : Button
-logout : Button
+viewStockTurnoverReports()
+viewIndividualReports()
+viewGlobalReports()
+back()
+logout()


Customer
<<entity>>
CustomerRegularAccount
-emailAddress : char
-password : char
-fee : double
-name : string
-surname : string
-passportID : int
+isFeePaymentDue()
+alterDetails()
+login()
+logout()
access
SQLCustomerRegularAccountHelper
-sql : string
+SQLCustomerRegularAccountHelper()
+generate(o : object, direction : String) : String
sql_Helper
<<Interface>>
I_Customer
<<entity>>
Customer
-name : string
-surname : string
-passportID : int
<<implementationClass>>
CustomerSystImpl
may own
consist of
CustomerCollection
-attribute
+addItem(name : string, surname : string, passportID : int)
+removeItem()
+getIndex()
+setIndex()
<<entity>>
CustomerValuedAccount
-emailAddress : char
-password : char
-fee : double
-name : string
-surname : string
-passportID : int
+isFeePaymentDue()
+alterDetails()
+flexibleDiscount()
+login()
+logout()
LatePayment
+notify()
access
SQLCustomerValueAccountHelper
-sql : string
+SQLCustomerValueAccountHelper()
+generate(o : object, direction : String) : String
sql_Helper
Ticket
<<entity>>
Ticket
-ID : char
-dateIssued : int
-destination : string
+return()
+isReturned()
+cancel()
consist of
<<Interface>>
I_TravelAgent
<<implementationClass>>
TravelAgentSystImpl
Reports
<<entity>>
InterlineIndividualSales
-agentName : string
-agentAddress : string
-ticketType : string
-ticketID : char
-ticketPrice : int
-commissionAmount : int
<<entity>>
InterlineGlobalSales
-totalSales
-totalCommissionAmount
<<entity>>
Interline Sales
-paymentType
<<entity>>
Report
-reportType : string
-reportPeriod : int
+generate()
+view()
<<entity>>
Domestic Sales
-paymentType : string
<<entity>>
TicketStockTurnover
-reportPeriod
-totalTicketRecieved
-totalTicketAssigned
-totalTicketUsed
-ticketFinalAmount
<<entity>>
DomesticIndividualSales
-agentName : string
-agentAddress : string
-ticketType : string
-ticketID : char
-ticketPrice : int
-commissionAmount : int
<<entity>>
DomesticGlobalSales
-totalSales
-totalCommissionAmount
may view
Travel Agent
TicketCollection
-index : int = 0
+additem(ID : char, dateIssued : int, destination : string)
+removeItem()
+getIndex()
+setIndex()
ReportCollection
-index : int = 0
+additem(reportType : string, reportPeriod : int)
+removeItem()
+getIndex()
+setIndex()
sent to
<<entity>>
Office Manager
-name : string
-ID : char
+retrieveBlanks()
+assignBlanks()
+setDiscount()
+viewAllReports()
+login()
+logout()
generates
may store
interacts with
<<entity>>
Travel Advisor
-name : string
-ID : char
+generateTicket()
+addRecord()
+viewSelfReport()
+returnBlank()
+reassignBlank()
+viewSelfStock()
+login()
+logout()
sale
StockCollection
-index : int = 0
+additem(amount : int, blankType : string)
+removeItem()
+getIndex()
+setIndex()
manages
access
sent to
<<entity>>
Travel Agent
-name : string
-address : string
-telephone : int
supplies
sell to
sell to
sell to


Customer
SQLCustomerRegularAccountHelper
-sql : string
+SQLCustomerRegularAccountHelper()
+generate(o : object, direction : String) : String
SQLCustomerValueAccountHelper
-sql : string
+SQLCustomerValueAccountHelper()
+generate(o : object, direction : String) : String
<<Interface>>
I_Customer
+addCustomer(firstName : string, lastName : string) : Customer
+removeCustomer(customerID : int) : Customer
+getCustomer(customerID : int) : Customer
<<implementationClass>>
CustomerSystimpl
+addCustomer(firstName : string, lastName : string) : Customer
+removeCustomer(customerID : int) : Customer
+getCustomer(customerID : int) : Customer
<<entity>>
CustomerRegularAccount
-customerID : int
-emailAddress : varchar
-password : char
-fee : double
-firstName : string
-lastName : string
-phoneNo : int
-address : varchar
+isFeePaymentDue() : boolean
+login() : boolean
+logout() : boolean
+setCustomerID() : int
+setEmail() : varchar
+setPassword() : char
+setFee() : double
+setFirstName() : string
+setLastName() : string
+setPhoneNo() : int
+setAddress() : varchar
+getCustomerID() : int
+getEmail() : varchar
+getPassword() : char
+getFee() : double
+getFirstName() : string
+getLastName() : string
+getPhoneNo() : int
+getAddress() : varchar
<<entity>>
CustomerRegularAccount2
-customerID : int
-emailAddress : varchar
-password : char
-fee : double
-firstName : string
-lastName : string
-phoneNo : int
-address : varchar
+isFeePaymentDue() : boolean
+login() : boolean
+logout() : boolean
+setCustomerID() : int
+setEmail() : varchar
+setPassword() : char
+setFee() : double
+setFirstName() : string
+setLastName() : string
+setPhoneNo() : int
+setAddress() : varchar
+getCustomerID() : int
+getEmail() : varchar
+getPassword() : char
+getFee() : double
+getFirstName() : string
+getLastName() : string
+getPhoneNo() : int
+getAddress() : varchar
+fixedDiscount() : boolean
+flexibleDiscount() : boolean
<<entity>>
Customer
-firstName : string
-lastName : string
-customerID : int
+setFirstName() : string
+setLastName() : string
+setPassportID() : int
+getFirstName() : string
+getLastName() : string
+getcustomerID() : int
CustomerCollection
-attribute
+addItem(firstName : string, lastName : string, passportID : int)
+removeItem()
+getIndex()
+setIndex()
LatePayment
+notify()
access
sql_Helper
consist of
may own
makes
sent to
sells to
FlightCoupon
<<entity>>
FlightCoupon
-flightCouponID : char
-dateIssued : int
-departureDestination : varchar
-arrivalDestination : varchar
-duration : int
-flightNo : varchar
-seatNo : varchar
-isAuditorCoupon : varchar
-price : int
-invoiceNo : int
-saleID : int
+return() : void
+isReturned() : void
+cancel() : void
+getFlightCouponID() : char
+getDateIssued() : int
+getDepartureDestination() : varchar
+getArrivalDestination() : varchar
+getDuration() : int
+getFlightNo() : varchar
+getSeatNo() : varchar
+getIsAuditorCoupon() : varchar
+getPrice() : int
+getInvoiceNo() : int
+getSaleID() : int
+updateFlightCouponID() : char
+updateDateIssued() : int
+updateDepartureDestination() : varchar
+updateArrivalDestination() : varchar
+updateDuration() : int
+updateFlightNo() : varchar
+updateSeatNo() : varchar
+updateIsAuditorCoupon() : varchar
+updatePrice() : int
+updateInvoiceNo() : int
+updateSaleID() : int
+FlightCoupon(flightCouponID : char, dateIssued : int, departureDestination : varchar, arrivalDestination : varchar, duration : int, flightNo : varchar, seatNo : varchar, isAuditorCoupon : varchar, price : int)
consist of
Reports
<<entity>>
InterlineIndividualSales
-agentName : string
-agentAddress : string
-ticketType : string
-ticketID : char
-ticketPrice : int
-commissionAmount : int
<<entity>>
InterlineGlobalSales
-totalSales
-totalCommissionAmount
<<entity>>
Interline Sales
-paymentType
<<entity>>
Report
-reportType : varchar
-reportID : int
-commissionRecord : int
-saleTurnover : int
-reportCreatedDateTime : datetime
+generate()
+view()
+getReportType() : varchar
+getReportID() : int
+getCommissionRecord() : int
+getSaleTurnover() : int
+getReportCreatedDateTime() : datetime
+report(reportType : varchar, reportID : int, commissionRecord : int, saleTurnover : int, reportCreatedDateTime : datetime)
<<entity>>
Domestic Sales
-paymentType : string
<<entity>>
DomesticIndividualSales
-agentName : string
-agentAddress : string
-ticketType : string
-ticketID : char
-ticketPrice : int
-commissionAmount : int
<<entity>>
TicketStockTurnover
-reportPeriod
-totalTicketRecieved
-totalTicketAssigned
-totalTicketUsed
-ticketFinalAmount
<<entity>>
DomesticGlobalSales
-totalSales
-totalCommissionAmount
may view
<<control>>
Controller
+updateTravelAgentName()
+updateTravelAgentAddress()
+viewTicketTypesUsed()
+updateDailyReport()
+recordCommissionRate()
+login()
+logout()
controlled by
manages
<<boundary>>
Backup
-data : string
+updateDailyReport()
+recordCommissionRate()
DB_Connectivity
+connect(sql : String) : Connection
+read(sql : String, conn : Connection) : ResultSet
+write(sql : String, conn : Connection) : int
+closeConnection(sql : String, conn : Connection) : void
<<implementationClass>>
DB_Connectivity_Impl
+connect(sql : String) : Connection
+read(sql : String, conn : Connection) : ResultSet
+write(sql : String, conn : Connection) : int
+closeConnection(sql : String, conn : Connection) : void
SQL_Helper
-sql : String
+generate(o : object, direction : String) : String
+getSql() : String
+operation()
Travel Agent
FlightCouponCollection
-lirbdex : int = 0
+addItem(flightCouponID : char, dateIssued : int, departureDestination : varchar, arrivalDestination : varchar, duration : int, flightNo : varchar, seatNo : varchar, isAuditorCoupon : varchar, price : int)
+removeItem()
+getIndex()
+setIndex(index : int) : void
ReportCollection
-lirdex : int = 0
+addItem(reportType : varchar, reportID : int, commissionRecord : int, saleTurnover : int, reportCreatedDateTime : datetime) : Report
+removeItem()
+getIndex()
+setIndex(index : int) : void
generates
<<entity>>
Travel Advisor
-advisorID : int
-firstName : varchar
-lastName : varchar
-email : varchar
-phoneNo : int
-address : varchar
+generateFlightCoupon(flightCouponID : char, dateIssued : int, departureDestination : varchar, arrivalDestination : varchar, duration : int, flightNo : varchar, seatNo : varchar, isAuditorCoupon : varchar, price : int) : FlightCoupon
+addReport(reportType : varchar, reportID : int, commissionRecord : int, saleTurnover : int, reportCreatedDateTime : datetime) : Report
+viewSelfReport() : void
+returnBlank(stockID : int) : Stock
+reassignBlank(stockID : int) : Stock
+viewSelfStock() : void
+login() : boolean
+logout() : boolean
+updateAdvisorID() : int
+updateFirstName() : varchar
+updateLastName() : varchar
+updateEmail() : varchar
+updatePhoneNo() : int
+updateAddress() : varchar
+getAdvisorID() : int
+getFirstName() : varchar
+getLastName() : varchar
+getEmail() : varchar
+getPhoneNo() : int
+getAddress() : varchar
<<entity>>
Travel Agent
-name : string
-address : string
-telephoneNo : int
+updateName() : string
+updateAddress() : string
+updateTelephoneNo() : int
+getName() : string
+getAddress() : string
+getTelephoneNo() : int
SQLTravelAgentHelper
-sql : string
+SQLTravelAgentHelper()
+generate(o : object, direction : String) : String
sale
supplies
sql_Helper
access
<<entity>>
Office Manager
-officeManagerID : int
-firstName : varchar
-lastName : varchar
-email : varchar
-phoneNo : int
+retrieveBlanks() : void
+assignBlanks() : void
+setDiscount() : void
+viewAllReports() : void
+login() : boolean
+logout() : boolean
+updateOfficeManagerID() : int
+updateFirstName() : varchar
+updateLastName() : varchar
+updateEmail() : varchar
+updatePhoneNo() : int
+getOfficeManagerID() : int
+getFirstName() : varchar
+getLastName() : varchar
+getEmail() : varchar
+getPhoneNo() : int
interacts with
<<entity>>
System Administrator
-administratorID : int
-firstName : varchar
-lastName : varchar
-email : varchar
-phoneNo : int
-stockID : int
+updateTravelAgentName(name : String) : TravelAgent
+updateTravelAgentAddress(address : String) : TravelAgent
+viewTicketTypesUsed() : void
+updateFirstName() : varchar
+updateLastName() : varchar
+updateAdministratorID() : int
+updateEmail() : varchar
+updatePhoneNo() : int
+getFirstName() : varchar
+getLastName() : varchar
+getAdministratorID() : int
+getEmail() : varchar
+getPhoneNo() : int
+getStockID() : int
SQLOfficeManagerHelper
-sql : string
+SQLOfficeManagerHelper()
+generate(o : object, direction : String) : String
SQLSystemAdministratorHelper
-sql : string
+SQLSystemAdministratorHelper()
+generate(o : object, direction : String) : String
<<entity>>
Commission
-commissionID : int
-date : int
-percentage : int
-saleID : int
+addCommissionRate(commission : varchar) : Sale
+deleteCommissionRate(commission : varchar) : Sale
+updateCommissionRate(commission : varchar) : Sale
+updateCommissionID() : int
+updateDate() : int
+updatePercentage() : int
+updateSaleID() : int
+getCommissionID() : int
+getDate() : int
+getPercentage() : int
+getSaleID() : int
may store
StockCollection
-index : int = 0
+addItem(stockID : int, blanksAvailable : int, blanksNeeded : int, typeOfBlanksAdded : varchar)
+removeItem()
+getIndex()
+setIndex(index : int) : void
manages
<<entity>>
Stock
-stockID : int
-blanksAvailable : int
-blanksNeeded : int
-typeOfBlanksAdded : varchar
+updateStockID() : int
+updateBlanksAvailable() : int
+updateBlanksNeeded() : int
+updateTypeOfBlanksAdded() : varchar
+getStockID() : int
+getBlanksAvailable() : int
+getBlanksNeeded() : int
+getTypeOfBlanksAdded() : varchar
+Stock(stockID : int, blanksAvailable : int, blanksNeeded : int, typeOfBlanksAdded : varchar)
SQLCommissionHelper
-sql : string
+SQLCommissionHelper()
+generate(o : object, direction : String) : String
SQLStockHelper
-sql : string
+SQLStockHelper()
+generate(o : object, direction : String) : String
<<Interface>>
I_TravelAgent
+addFlightCoupon(dateIssued : int, departureDestination : varchar, arrivalDestination : varchar, duration : int, flightNo : varchar, seatNo : varchar, isAuditorCoupon : varchar, price : int) : FlightCoupon
+removeFlightCoupon(flightCouponID : char) : FlightCoupon
+getFlightCoupon(flightCouponID : char) : FlightCoupon
+addStock(blanksAvailable : int, blanksNeeded : int, typeOfBlanksAdded : varchar) : StockCollection
+removeStock(stockID : int) : StockCollection
+getStock(stockID : int) : StockCollection
+addReport(reportType : varchar, commissionRecord : int, saleTurnover : int, reportCreatedDateTime : datetime) : Report
+removeReport(reportID : int) : Report
+getReport(reportID : int) : Report
<<implementationClass>>
TravelAgentSystimpl
+addFlightCoupon(dateIssued : int, departureDestination : varchar, arrivalDestination : varchar, duration : int, flightNo : varchar, seatNo : varchar, isAuditorCoupon : varchar, price : int) : FlightCoupon
+removeFlightCoupon(flightCouponID : char) : FlightCoupon
+getFlightCoupon(flightCouponID : char) : FlightCoupon
+addStock(blanksAvailable : int, blanksNeeded : int, typeOfBlanksAdded : varchar) : StockCollection
+removeStock(stockID : int) : StockCollection
+getStock(stockID : int) : StockCollection
+addReport(reportType : varchar, commissionRecord : int, saleTurnover : int, reportCreatedDateTime : datetime) : Report
+removeReport(reportID : int) : Report
+getReport(reportID : int) : Report
Payment
<<entity>>
PaymentType
-paymentID : char
-card : varchar
-cash : int
-saleID : int
+updatePaymentID() : char
+updateCard() : varchar
+updateCash() : int
+updateSaleID() : int
+getPaymentID() : char
+getCard() : varchar
+getCash() : int
+getSaleID() : int
SQLPaymentHelper
-sql : string
+SQLPaymentHelper()
+generate(o : object, direction : String) : String
<<entity>>
Cash
<<entity>>
Credit Card
-name : varchar
-last4Digits : int
-paymentID : int
+car4digits()
<<entity>>
Sale
-saleID : int
-paymentType : varchar
-paymentCurrency : varchar
-currencyExchangeRate : float
-paymentAmount : float
-saleDate : int
-discountApplied : varchar
-commissionRate : varchar
-customerID : int
-advisorID : int
+updateSaleID() : int
+updatePaymentType() : varchar
+updatePaymentCurrency() : varchar
+updateCurrencyExchangeRate() : float
+updatePaymentAmount() : float
+updateSaleDate() : int
+updateDiscountApplied() : varchar
+updateCommissionRate() : varchar
+getSaleID() : int
+getPaymentType() : varchar
+getPaymentCurrency() : varchar
+getCurrencyExchangeRate() : float
+getPaymentAmount() : float
+getSaleDate() : datetime
+getDiscountApplied() : varchar
+getCommissionRate() : varchar
+getCustomerID(customerID : int) : Customer
+getAdvisorID(AdvisorID : int) : Travel Advisor
<<entity>>
IATA
-currencyCode : int
-localCurrency : int
+updateExchangeRate()
uses
<<entity>>
Airline
-name : string
-telephone : int
-emailAddress : string
+assignBlanks()
Blanks
<<entity>>
Blank
-BlankID : int
-type : int
-isSold : varchar
-flightCouponID : int
+isValid()
+isBlacklisted()
+operation()
SQLBlankHelper
-sql : string
+SQLBlankHelper()
+generate(o : object, direction : String) : String
<<entity>>
Interlines
<<entity>>
Domestic
<<entity>>
MCO
<<entity>>
452
<<entity>>
451
<<entity>>
444
<<entity>>
440
<<entity>>
420
<<entity>>
101
<<entity>>
201
GUI
Airvia Ticket System Form
-label1 : string = Airvia Ticket System
-label2 : string = Enter Username :
-label3 : string = Enter Password :
-textbox1
-textbox2
-login : Button
+login()
<<boundary>>
GUI
-data : string
+login()
+logout()
interacts with
Travel Agent Details Form
Blank Stock Form
Admin Control Hub Form
Advisor List Form
Restore From Backup Form
Return Ticket Form
Customer List Form
Advisor Control Hub Form
Payment Plan Form
Process Ticket Sale Form
Edit Exchange Rate Form
Edit Commissions Form
Office Manager Control Hub Form
View Flight Ticket Form
Edit Ticket Form2
View Blank Stock Form
View Customer List Form
Create Reports Form
Add Advisor Form
Edit Advisor Form
Add Customer Form
Edit Customer Form
Flight Ticket Form
Edit Ticket Form
Add Customer Form2
Edit Customer Form2
View Reports Form