CUSTOMER

CREATE ACCOUNT USE CASE

Inputs: @username, @password, @name, @birthdate, @passportno, @creditcard

Creating a new customer:

INSERT into CUSTOMER

VALUES(@username, @password, @name, @birthdate, getYear() - @birthdate, @passportno, 0, @creditcard)

VIEW SCHEDULED FLIGHT USE CASE

Inputs: @to, @from, @departuredate, @arrivaldate, @adultno, @childrenno, @oneWay

//Lists of all to/from:

SELECT airport

FROM route

//SEARCH BY ALL FIELDS

SELECT \*

FROM CustomerFlightView C,

WHERE (@oneWay == true AND

EXISTS (SELECT \*

FROM flight NATURAL JOIN plane NATURAL JOIN plane\_type

WHERE departs = @to AND

arrives = @from AND

depatureDate = @departuredate AND

capacity >= @childrenno + @adultno) )

OR

(@oneWay == true AND

EXISTS (SELECT \*

FROM flight NATURAL JOIN plane NATURAL JOIN plane\_type

WHERE departs = @to AND

arrives = @from AND

depatureDate = @departuredate AND

capacity >= @childrenno + @adultno) AND

EXISTS (SELECT \*

FROM flight NATURAL JOIN plane NATURAL JOIN plane\_type

WHERE departs = @from AND

arrives = @to AND

depatureDate = @arrivaldate AND

capacity >= @childrenno + @adultno) )

//SEARCH WITHOUT DATE

SELECT \*

FROM CustomerFlightView C,

WHERE (@oneWay == true AND

EXISTS (SELECT \*

FROM flight NATURAL JOIN plane NATURAL JOIN plane\_type

WHERE departs = @to AND

arrives = @from AND

capacity >= @childrenno + @adultno) )

OR

(@oneWay == true AND

EXISTS (SELECT \*

FROM flight NATURAL JOIN plane NATURAL JOIN plane\_type

WHERE departs = @to AND

arrives = @from AND

capacity >= @childrenno + @adultno) AND

EXISTS (SELECT \*

FROM flight NATURAL JOIN plane NATURAL JOIN plane\_type

WHERE departs = @from AND

arrives = @to AND

capacity >= @childrenno + @adultno) )

LOGIN USE CASE

Inputs: @username, @password

SELECT \*

FROM customer

WHERE user\_name = @username AND

Password = @password

MAKE RESERVATION USE CASE

Inputs: @to, @from, @departuredate, @arrivaldate, @adultno, @childrenno, @oneWay, @class, @username

WITH availableFlights AS ( SELECT \*

FROM FLIGHT

WHERE (@oneWay == true AND

EXISTS (SELECT \*

FROM flight NATURAL JOIN plane NATURAL JOIN plane\_type

WHERE departs = @to AND

arrives = @from AND

depatureDate = @departuredate AND

capacity >= @childrenno + @adultno) )

OR

(@oneWay == true AND

EXISTS (SELECT \*

FROM flight NATURAL JOIN plane NATURAL JOIN plane\_type

WHERE departs = @to AND

arrives = @from AND

depatureDate = @departuredate AND

capacity >= @childrenno + @adultno) AND

EXISTS (SELECT \*

FROM flight NATURAL JOIN plane NATURAL JOIN plane\_type

WHERE departs = @from AND

arrives = @to AND

depatureDate = @arrivaldate AND

capacity >= @childrenno + @adultno) )

INSERT INTO reservation

FROM availableFlights

SELECT (@username, plane\_name, route\_id, INDEX(reservation\_no), @class, 0 )

CANCEL RESERVATION USE CASE

Inputs: @reservationId, @username

DELETE FROM reservation

WHERE reservation\_id = @reservationId AND  
 user\_name = @username

VIEW FLIGHT STATUS USE CASE

Inputs: @username (from previous pages)

SELECT \*

FROM CustomerFlightDetailsView

MANAGE ACCOUNT USE CASE

Inputs: @username, @newusername, @password, @passwordagain, @name, @birthdate, @passportno, @creditcard

//VIEW DETAILS

SELECT \*

FROM customer

WHERE user\_name = @username

//CHANGE USERNAME

UPDATE customer

SET user\_name = @newusername

WHEN user\_name = @username

//CHANGE PASSWORD

UPDATE customer

SET password = @password

WHEN user\_name = @username AND  
 @password = @passwordAgain

//CHANGE NAME

UPDATE customer

SET name = @name

WHEN user\_name = @username

//CHANGE BIRTHDATE

UPDATE customer

SET birthdate = @birthdate

WHEN user\_name = @username

//CHANGE PASSPORT NO

UPDATE customer

SET passport\_no = @passportno

WHEN user\_name = @username

//CHANGE CREDIT CARD

UPDATE customer

SET credit\_card\_details = @creditcard

WHEN user\_name = @username

REFUND TICKET