P2010562 Veronica Chen

P2010411 Grant Jing

P2010556 Polo Liu

Flight (flightNo, dAirport, aAirport, dTime, aTime, schedule, airlineName, branchNo)

Primary Key: flightNo

Foreign Key: airlineName, branchNo **references** Airline (airlineName, branchNo)

FlightInstance (date, flightNo, busFare, ecoFare, identity, type)

Primary key: flightDate, flightNo

Foreign key: identity, type, aircraftNo **references** Airplane (identity, type, aircraftNo)

 flightNo **references** Flight (flightNo)

Airplane (identity, type, aircraftNo, bCapacity, eCapacity, airlineName, branchNo)

Primary key: identity, type, aircraftNo

Foreign key: airlineName, branchNo, aircraftNo **references** Airline (airlineName, branchNo)

Reservation (reNo, cusNo, pMode, status, flightNo, flightDate, seatNo, classLevel, agentNo)

Primary key: reNo

Foreign key: agentNo **references** TravelAgent (agentNo)

 cusNo **references** Customer (cusNo)

 flightNo, flightDate **references** FlightInstance (flightNo, flightDate)

Airport (iCode, airportName, country, city)

Primary Key: iCode

Customer (cusNo, cusName, address)

Primary Key: cusNo

TravelAgent (agentNo, agentName)

Primary Key: agentNo

Airline (airlineName, branchNo, address)

Primary Key: airlineName, branchNo

Many-to-Many

Choosing (cusNo, flightNo, flightDate, seatNo)

Primary Key: cusNo, flightDate, flightNo

Foreign Key: cusNo **references** Customer (cusNo)

 flightNo, flightDate **references** FlightInstance (flightNo, flightDate)

Delegation (cusNo, agentNo, dDate, dFare)

Primary Key: cusNo, agentNo

Foreign Key: cusNo **references** Customer (cusNo)

 agentNo **references** TravelAgent (agentNo)

Departure (<u>flightNo</u>, <u>iCode</u>)

Primary Key: flightNo, iCode

Foreign Key: flightNo **references** Flight (flightNo)

 iCode **references** Airport (iCode)

Arrival (<u>flightNo</u>, <u>iCode</u>)

Primary Key: flightNo, iCode

Foreign Key: flightNo **references** Flight (flightNo)

 iCode **references** Airport (iCode)

Multi-value

AirlinePhoneNo (<u>phoneNo</u>, branchNo, name)

Primary Key: phoneNo

Foreign Key: branchNo, airlineName **references** Airline (branchNo, airlineName)

AirportPhoneNo (<u>phoneNo</u>, iCode)

Primary Key: phoneNo

Foreign Key: iCode **references** Airport (iCode)

CustomerTelNo (<u>telNo</u>, cusNo)

Primary key: telNo

Foreign key: cusNo **references** Customer (cusNo)

AgentTelNo (<u>telNo</u>, agentNo)

Primary Key: telNo

Foreign Key: agentNo **references** TravelAgent (agentNo)