

Really Cheap Vacations (RCV) Physical ERD

State in { BC, AB, SK, MB, ON, QC,
NB, NS, NL, NT, NU, PE, YT} OR
country != 'CA'

All phone numbers must be in the
format 999.999.9999

must be part of

RCV_Destination
dest_code (PK) NUMBER
city(NN) VARCHAR2(50)
state CHAR(2)
country(NN) VARCHAR2(50)
dest_description(NN) VARCHAR2(100)
price (NN) NUMBER(10,2)

must have

RCV_Tour_Destination
tour_code (PK)(FK2) NUMBER
dest_code (PK)(FK1) NUMBER
order# NUMBER
price NUMBER(10,2)

must have

must belong to

RCV_Vacation_Tour
tour_code (PK) NUMBER
tour_description(NN) VARCHAR2(20)
tour_region (NN) VARCHAR2(2)
rating_code (FK1)(NN) NUMBER

may have

will have

RCV_Tour_Customer
tour_code (PK)(FK1) NUMBER
customer_number (PK)(FK2) NUMBER
start_date DATE
end_date DATE

will have

may buy

RCV_Customer
customer_number (PK) NUMBER
first_name (NN) VARCHAR2(10)
last_name (NN) VARCHAR2(10)
customer_phone (NN) VARCHAR2(12)
customer_street_address (NN) VARCHAR2(20)
customer_city (NN) VARCHAR2(15)
customer_province VARCHAR2(2)
agent_id (FK1)(NN) NUMBER

deals with

may handle

may have

tour_region IN (CA, US, EU)

may be assigned

RCV_Rating
rating_code (PK) CHAR(1)
rating_description(NN) VARCHAR2(50)

will be taken by

will take

RCV_Agent_Training
agent_id (PK)(FK1) NUMBER
training_code (PK)(FK2) NUMBER(1)
date_completed(NN) DATE

will belong to

will have

RCV_Training
training_code (PK) NUMBER(1)
training_description(NN) VARCHAR2(10)
duration_hours NUMBER(2)

Agent specialties: CA, US, or EU
Agent levels: I, II, III, IV