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IT-145 Found In Application Development  
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Instructor: Joanne Strickland  
Assignment: Pet BAG Psuedocode and Flowchart (check-out)

Problem: Pet Boarding and Grooming needs a checkout program  
Specifications: Needs to determine price based on pet type and weight (if applicable) and services provided, also change room status

Psuedocode:  
  
include petManagement

var petType type string //imported from petManagement  
var petRoomID type int //imported from petManagement  
var petGroomed type bool //imported from petManagement  
var dogWeight type int //imported from petManagement  
var boardingDuration type int //imported from petManagement  
  
var paymentMethod type string  
var boardingFee type int  
var groomingFee type int  
var petCost type int  
var petCostDollars type int  
var petCostCents type int  
var paymentAmt type int  
var paymentCard type int  
var cardApproved type bool  
var cardApprovalNumber type int  
  
if petType is cat:  
 boardingFee = 1800  
 petGroomed = false  
else:  
 input dogWeight  
 input petGroomed  
 if dogWeight >= 30:  
 boardingFee = 3400  
 if petGroomed = true:  
 groomingFee = 2995  
 if dogWeight < 30 and dogWeight >= 20:  
 boardingFee = 2900  
 if petGroomed = true:  
 groomingFee = 2495  
 else:  
 boardingFee = 2400  
 if petGroomed = true:  
 grrromingFee = 1995  
  
petCost = boardingFee \* boardingDuration  
if petGroomed = true:  
 petCost += groomingFee

showCost(petCost):  
 petCostDollars = petCost / 100  
 petCostCents = petCost % 100  
 output: “Amount Owed: “ petCostDollars “.” petCostCents

processPayment:  
 while petCost > 0:  
 showCost(petCost)  
 if paymentMethod is cash:  
 input paymentAmt  
 petCost -= paymentAmt  
 if paymentMethod is credit:  
 input paymentAmt  
 input paymentCard  
 cardApproved = HTTP\_SEND\_CARD\_REQUEST.Response.Approved  
 if cardApproved:  
 cardApprovalNum = HTTP\_SEND\_CARD\_REQUEST.Response.ApprovalNum  
 petCost -= paymentAmt  
 printPhysicalOutput petmanagement.petReport

petManagement.changeRoom(petType, petRoomId, “empty”, “dirty”)  
appendAnnualSalesReport(petManagement.petReport)