

Aleksandr Donovan
IT 145 check out pseudocode

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BEGIN petCheckOut
  // Step 1: Ask for and collect pet check-out details
  PROMPT user for pet information(name and owner's name and owner's phone number)
  PROMPT user for pet type (Dog or Cat)
  PROMPT user for boarding space number

  // Step 2: Retrieve pet details from the boarding space
  RETRIEVE pet details from boarding space
  IF pet is not found THEN
    DISPLAY "Pet not found, please check the details"
    ASK user to re-enter pet information, type, and boarding space
    PROMPT user for pet information
    PROMPT user for pet type (Dog or Cat)
    PROMPT user for boarding space number
    RETRIEVE pet details from boarding space again
    IF pet is still not found THEN
      DISPLAY "Pet not found again, please contact support"
      EXIT check-out process
    END IF
  END IF

  // Step 3: Determine if the pet had a grooming fee (only dogs)
  IF pet type is Dog THEN
    IF number of days stayed is 2 or more THEN
      // Determine grooming fee based on dog weight
      IF dog weight >= 30 lbs THEN
        SET grooming fee to $29.95
      ELSE IF dog weight >= 20 lbs AND dog weight < 30 lbs THEN
        SET grooming fee to $24.95
      ELSE
        SET grooming fee to $19.95
      END IF
    ELSE
      SET grooming fee to $0
    END IF
  ELSE
    SET grooming fee to $0
  END IF

  // Step 4: Calculate the boarding fee
  IF pet type is Dog THEN
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IF dog weight >= 30 lbs THEN
    SET boarding fee to $34.00
ELSE IF dog weight >= 20 lbs AND dog weight < 30 lbs THEN
    SET boarding fee to $29.00
ELSE
    SET boarding fee to $24.00
END IF
ELSE IF pet type is Cat THEN
    SET boarding fee to $18.00
END IF

// Step 5: Calculate the total fee
SET total fee to boarding fee + grooming fee

// Step 6: Display the summary to the user
DISPLAY pet name, boarding space, total fees (boarding + grooming)

// Step 7: Mark the boarding space as vacant
UPDATE boarding space status to "Vacant"

END petCheckOut
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