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IT 145

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Module 1 Pseudocode

START

// Initialize available spaces

SET availableDogSpaces = 30

SET availableCatSpaces = 12

// Space assignment

SET dogSpaceAssignment = [1 to 30]

SET catSpaceAssignment = [1 to 12]

// Prompt for pet type

DISPLAY "Is the pet a dog or cat? (Enter 'dog' or 'cat')"

INPUT petType

WHILE petType is NOT "dog" AND petType is NOT "cat" DO

    DISPLAY "Invalid pet type. Please enter 'dog' or 'cat'."

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        INPUT petType
END WHILE


IF petType is "dog" THEN
    IF availableDogSpaces > 0 THEN
        DISPLAY "Space available for a dog."
        availableDogSpaces = availableDogSpaces - 1
        ASSIGN spaceNumber = the first available number in dogSpaceAssignment
        REMOVE spaceNumber from dogSpaceAssignment
        DISPLAY "Dog assigned to space number: " + spaceNumber
    ELSE
        DISPLAY "No space available for a dog."
        END
    END IF
ELSE
    IF availableCatSpaces > 0 THEN
        DISPLAY "Space available for a cat."
        availableCatSpaces = availableCatSpaces - 1
        ASSIGN spaceNumber = the first available number in catSpaceAssignment
        REMOVE spaceNumber from catSpaceAssignment
        DISPLAY "Cat assigned to space number: " + spaceNumber
    ELSE
        DISPLAY "No space available for a cat."
```

      END

   END IF

END IF

// Gather pet details

DISPLAY "Is this pet a new or returning customer? (Enter 'new' or 'returning')"

INPUT customerStatus

IF customerStatus is "new" THEN

   DISPLAY "Enter pet's name:"

   INPUT petName

   DISPLAY "Enter pet's gender:"

   INPUT petGender

   DISPLAY "Enter pet's age:"

   INPUT petAge

   DISPLAY "Enter owner's name:"

   INPUT ownerName

   DISPLAY "Enter address associated with the pet:"

   INPUT petAddress

   DISPLAY "Owner's phone number:"

   INPUT ownerPhone

ELSE

   // Update details for returning customers

   DISPLAY "Update the pet's information if necessary."

DISPLAY "Enter pet's name:"

INPUT petName

DISPLAY "Enter owner's name:"

INPUT ownerName

DISPLAY "Enter owner's phone number"

INPUT ownerPhone

// Search for pet record

SEARCH for pet record using petName and ownerName and ownerPhone

IF record is found THEN

   DISPLAY "Pet record found:"

   DISPLAY "Pet Name: " + petName

   DISPLAY "Pet Age: " + petAge

   DISPLAY "Pet Gender: " + petGender

   DISPLAY "Owner Name: " + ownerName

   DISPLAY "Owner Address: " + petAddress

   DISPLAY "Owner Phone: " + ownerPhone

   // Prompt to update fields

   DISPLAY "Would you like to update the pet's age? (Enter 'yes' or 'no')"

   INPUT updateChoice

   IF updateChoice is "yes" THEN

     DISPLAY "Enter new age:"

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        INPUT petAge

    END IF


    DISPLAY "Would you like to update the owner's phone number? (Enter 'yes' or 'no')"

    INPUT updateChoice

    IF updateChoice is "yes" THEN

        DISPLAY "Enter new phone number:"

        INPUT ownerPhone

    END IF


    DISPLAY "Would you like to update the owner's address? (Enter 'yes' or 'no')"

    INPUT updateChoice

    IF updateChoice is "yes" THEN

        DISPLAY "Enter new address:"

        INPUT petAddress

    END IF


DISPLAY "Would you like to update the pet's gender? (Enter 'yes' or 'no')"

INPUT updateChoice

IF updateChoice is "yes" THEN

    DISPLAY "Enter new gender (e.g., 'male', 'female'):"

    INPUT petGender

END IF
```

// Save updated record

SAVE updated details to the pet's record

// Confirmation

DISPLAY "Pet information has been updated successfully."

ELSE

DISPLAY "No record found for the given pet name and owner name."

END IF

END IF

// Gather stay length

DISPLAY "Enter the length of stay in days:"

INPUT stayLength

// Check grooming options for dogs

IF petType is "dog" AND stayLength >= 2 THEN

DISPLAY "Would you like grooming for your dog? (Enter 'yes' or 'no')"

INPUT groomingChoice

IF groomingChoice is "yes" THEN

DISPLAY "Grooming service added."

ELSE

DISPLAY "No grooming service at this time."

```
    END IF

END IF


// Confirm check-in

DISPLAY "Pet has been checked in successfully and assigned to space number: " +

spaceNumber

END
```