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IT-145

1-6 Milestone - Pseudocode and Flowchart

<u>Pseudocode and Flowchart Pet BAG</u>

<u>Pseudocode Pet Check in:</u>

START

CHECK if pet is cat or dog

    IF pet is dog

        CHECK for available space

        IF space available is less than 30

            CHECK IN dog

            INCREMENT dog count by 1

        ELSE no space available

            END

    ELSE pet is cat

        IF space available is less than 12

            CHECK IN cat

            INCREMENT cat count by 1

        ELSE no space available

END

CHECK if pet is new customer or existing customer

    IF new customer

        INPUT new information

    ELSE existing customer

        UPDATE information as needed

INPUT length of stay

CHECK if pet is cat or dog

    IF pet is dog

        IF dog is staying more than two days

            CHECK for grooming

                IF yes

                    INPUT grooming

                ELSE no grooming

        ELSE dog is staying less than two days

            NO grooming available

    ELSE no grooming available

ASSIGN pet to space

END

Flowchart:

START

Pet is cat or dog

cat

dog

Boarding space available (12)

boarding space unavailable

Boarding space unavailable

Boarding space available (30)

check in

END

END

check in

New Customer

Existing Customer

Existing Customer

New Customer

Collect Information

Update Information

Update Information

Collect Information

Collect Length of Stay

Collect Length of Stay

Less than 2 days

More than 2 days

Grooming?

Yes

No

Assign pet to space

END