**Pseudocode:**

Start

User Input dog or cat

If user inputs dog

Check if available room boarding space for dog

If available room boarding space for dog

User inputs length of stay for dog

If length of stay is 2+ days

User inputs yes or no for grooming service

If user inputs yes for grooming service

Dog scheduled for grooming service

Else

Dog not scheduled for grooming service

Else

Grooming service not available

Else

Notify user of unavailable room boarding space for dog

Else

User inputted cat

If user inputs cat

Check if available room boarding space for cat

If available room boarding space for cat

User inputs length of stay for cat

Else

Notify user of unavailable room boarding space for cat

Else

User inputted dog

After available room for user’s animal found

Animal assigned a room boarding space

User input type of customer

If user is a returning customer

Attach prior user’s personal information

If user has updated personal information

User inputs updated personal information

Else

No new information inputted

Else

User inputs new customer personal information

Stop

**Flowchart (Check-in):** 