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IT 145

Module One Assignment

Pet Board and Grooming is seeking an app that has the following initial functionality:

* Check-in pets
* Check-out pets
* Pet management
* Reports

**Pet Check-In**

Start:

Print “Welcome to Pet Board and Grooming”

User input select pet type: <dog> or <cat>.

If dog search open spaces \_/30

If cat search open spaces \_/12

If space is available, then select: <returning visitor> or <new visitor>

Else return “No spaces available at this time”

If <new visitor> is selected, then user input information about visitor:

Return prompt User input: Pet type <cat> or <dog>

If <dog> Return prompt user input: Pet weight

If else <returning visitor> selected, then return print visitor information for user to check visitor information if correct. Prompt user input pet weight:

Prompt user input length of stay for each pet

If pet is <Dog> and staying more than 2 days, Prompt user select if grooming services is required

Else return print “No grooming services are offered for cats”.

If pet is <dog> assign to open space for dog

If else <cat> assign to open space for cat

End Check-in

**Pet Check-Out**

Start:

User input select visitor identification information

If information found system output: boarding space information

If Else return print “visitor is not in system”

Once pet is found:

If dog and grooming service is schedule return: grooming service needed

If Else return “Proceed to point of sale/Checkout”

At Checkout screen:

Pull information on pet type from check-in such as pet type <dog> or <cat> and weight

If <dog> 30 pounds or more daily fee is $34.00 and grooming fee is 29.95

If <dog> 20 to 30 pounds daily fee is $29.00 and grooming fee is 24.95

If <dog> less than 20 pounds daily fee is $24.00 and grooming fee is 19.95

Else <cat> daily fee is $18.00

System generates:

Pet type <dog> or <cat>

Pet weight

Length of stay

If grooming was selected

Return: Pet type, Pet weight, length of stay, grooming selection

User Input:

Total = (length of stay \* daily fee) + grooming fee

System output: Total

End Check-out

**Pet Management**

**Moving pets around**

Start:

User input select pet space type: <dog> or <cat>

System output available spaces for cats and dogs

If dog space x < 1

Return: no spaces open

If cat space x < 1

Return: no spaces open

Else return spaces available

User Input select space

Return: space occupied

End

**Cleaning spaces:**

Start:

User input select space type: <dog> or <cat>

Return “selected space for cleaning”

User input select <done cleaning>

Return “space has been cleaned”

End

**Adding Notes:**

Start:

User input: select visitor profile

Prompt user input: “Type your notes”

Return user input

End

**Recording feedings**

Start:

User input: select visitor

Return user select feeding time: <morning>, <afternoon>, <evening>

Prompt User input feeding notes: “type your notes”

Return: (feeding time) + (user notes)

End

**Pet stay payment**

Start:

User input: select visitor information

Return: “Has the visitor stay been paid for?”

User input select: <paid> or <unpaid>

If <paid> selected

Return: Visitor stay PAID

Else <unpaid> selected

Return: Visitor stay UNPAID

End

**Reports:**

Start:

User input: “Type your report here”

Return: (user input)

**Flow Charts:**

**Pet Check-In**

Start by selecting pet type: Dog or Cat

If Dog search open spaces \_/30

If Cat

Yes or x<30

User input prompt: “Enter visitor information”

New Visitor

Returning visitor

Return: “X/30 spaces available”

No or x =30

Dog Stay X days < 2days

Prompt return: “Check-in complete.”

If Yes: Add Grooming Fee. Return: “Grooming added, check-in complete”.

Dog Stay X days > or = 2 days. Return: “Would you like to purchase grooming services?”

Prompt return: “We do not offer grooming services for cats, check-in complete.”

“Enter Length of Stay:”

If No, return: “No grooming service added, check-in complete”.

Verify or update visitor information

Return: “No spaces available”

End transaction

END

**Pet Check-Out**

Start by entering visitor information

No visitor found

Dog Selected

Cat Selected

Return: “Grooming Service scheduled proceed to grooming services”

No grooming service, proceed to check-out

**End transaction**

<cat> daily fee is $18.00

“Enter Length of Stay:”

If <dog> 30 pounds or more daily fee is $34.00 and grooming fee is 29.95

X Days \* $34.00 + 29.95 grooming fee if selected

If <dog> 20 to 30 pounds daily fee is $29.00 and grooming fee is 24.95

X Days \* $29.00 + 24.95 grooming fee if selected

If <dog> less than 20 pounds daily fee is $24.00 and grooming fee is 19.95

X Days \* $24.00 + 19.95 grooming fee if selected

Return: “Your total is “

END

**Pet Management**

Start by selecting pet space type

Dog Selected

Cat Selected

If X >= 1 dog space open

Return: X open spaces

If X < 1 dog space open

Return: No open spaces

If X < 1 cat space open

Return: No open spaces

If X >= 1 cat space open

Return: X open spaces

Select space and action

No Action Selected

Cleaning

Adding Notes

Moving pet

Return: “Space is being Cleaned”

Old Space open

User input: “Enter Notes here”

Done Cleaning

New Space occupied

Still cleaning

Done Cleaning

END

**Pet Management: Recording Pet Feeding**

Start by entering pet information

Select Pet

Evening Feeding

Morning Feeding

Afternoon Feeding

Enter Additional Notes

END

Return: Feeding Recorded

**Pet Management: Pet Payment**

Start by entering pet information

Select Pet

Pet stay Unpaid

Pet stay Paid

Return: proceed to Pet Check-Out Screen

Route to pet check-out

END

**Reports:**

Start by selecting Reports

Prompt: “Enter Report here:”

Your report has been recorded

END