Smart Chatbot for Supermarket

Assignment 2

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When Chatbot is started, show terminal as below

```
___Smart SuperMarket ChatBot___

Customer :
```

Figure 1

In this case customer can give input by using "hi" or "hello". Then chatbot output can be shown as below

```
___Smart SuperMarket ChatBot___

Customer : hello
ChatBot: hello welcome to supermarket
```

Figure 2

After that can give an input to enter the goods list as customer input. In this case Special thing is, must be included a special word wherever place in user input.

Special word = {**good** or **goods** or **Good** or **Goods**}

Then user has to give list of goods by using a space between each goods.

If user gives a name of good with two word, must be combined that two word with **underscore** (_). Example : soya_meat

```
___Smart SuperMarket ChatBot___

Customer : hello
ChatBot: hello welcome to supermarket
Customer : i want buy goods
ChatBot: Give your list of goods
Customer => my list of goods:soya_meat chicken eggs pumpkin green_gram
```

Figure 3

When customer enter wrong input or not relevant input without special words then chatbot shows output as below.

```
___Smart SuperMarket ChatBot___

Customer : i am devid
ChatBot: Plz tell how can help you in supermarket
Customer :
```

Figure 4

If user want to enter list of goods directly at initial case in figure 1. User has to give input by using a special word above mentioned. after that user can give the input of goods list.

```
___Smart SuperMarket ChatBot___

Customer : i want to buy goods
ChatBot: Give your list of goods
Customer => my list of goods:dhal rice chicken eggs coconut_milk sugar tea_leaf
```

Figure 5

After enter list of goods, chatbot provides details of goods by showing shelf number and location side of relevant good as a list.

```
_____Details of Goods_____
dhal Shelf No:1 => Location: right side
rice Shelf No:2 and 3 => Location: right side
chicken Shelf No:8 => Location: left side
egg Shelf No:9 => Location: left side
coconut milk Shelf No:61 => Location: middle
sugar Shelf No:13 => Location: middle
tea leaf Shelf No:60 => Location: middle

Thank You__Come again__Bye
```

Figure 6

All steps of chatbot application can be shown as below

Example

```
___Smart SuperMarket ChatBot___

Customer : hello
ChatBot: hello welcome to supermarket
Customer : i want buy goods
ChatBot: Give your list of goods
Customer => my list of goods:soya_meat chicken eggs pumpkin green_gram

_____Details of Goods_____
soya meat Shelf No:7 => Location: right side
chicken Shelf No:8 => Location: left side
egg Shelf No:9 => Location: left side
pumpkin Shelf No:28 => Location: backward side
green gram Shelf No:4 => Location: right side

Thank You__Come again__Bye
```

Figure 7

Python Library for design the Chatbot : Natural Language Tool Kit (NLTK)