FoodieBot - User Guide

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1. Introduction

FoodieBot is an all-in-one application created for NUS students, staff and visitors. Designed primarily to help with your everyday campus dining needs, FoodieBot has something to offer to everyone. Whether you need a random suggestion of what to eat, directions to get to the canteen, help in planning your budget for the week, or just want to see what each canteen has to offer, FoodieBot is here to provide for your needs.

2. About this Document

2.1. Symbols and Notations Used

The following are the symbols and formatting used in this document:

NOTE   This symbol indicates important information.

TIP   This symbol indicates tips for the particular feature.

`list` - A grey highlight (called a mark-up) indicates that this is a command that can be typed into the command box and executed by the application. The command box location can be seen in the diagram below.
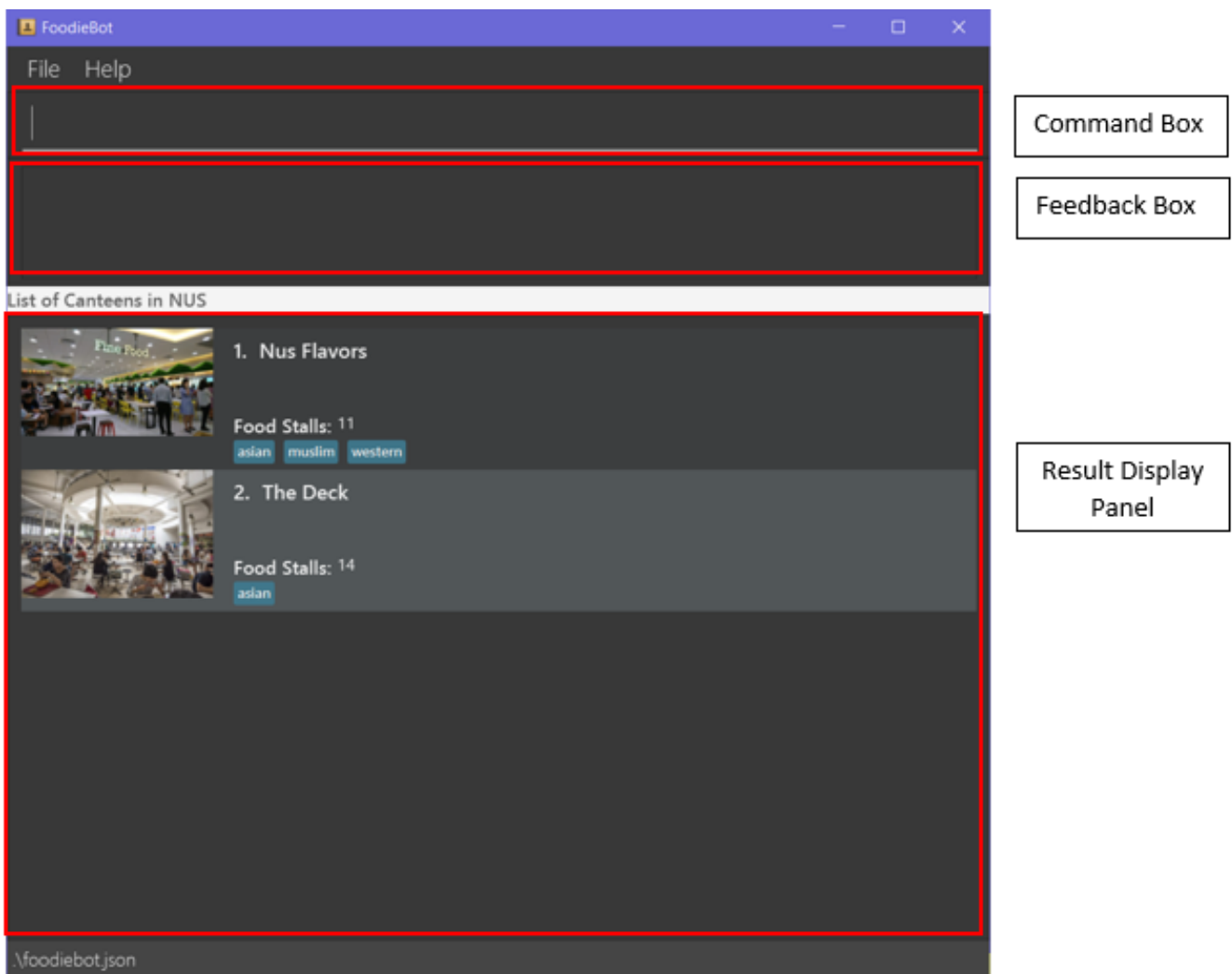
2.2. Definition of Common Words Used

Context

There are some commands that are only permissible at certain states of the application. For instance, the `review` and `rate` commands are only allowed after navigating to the transactions screen. We refer to this state as a **context**. Commands which specify a context which they are

used in generally cannot work outside of that context. However, some commands are less particular about the context which they run in such as in the case of the `enter` command which can run in both the Main, Canteen and Stall contexts.

GUI

Graphic User Interface is a type of visual interface that allows users to interact with.

Index

It is a number that is linked to the item of the list An index is limited to the maximum number of items shown in the list, the item does not exist if an invalid index is specified in commands that use an index.

2.3. How to Use this Document

Section 4. Features will introduce you to the commands for the application.

3. Quick Start

1. Ensure that you have **Java 11** or above installed in your Computer.

2. Download the latest **foodiebot.jar** here.

3. Copy the file to the folder you want to use as the home folder for your FoodieBot.

4. Double-click the file to start the app. The Graphical User Interface(GUI) similar to the image shown below should appear in a few seconds.
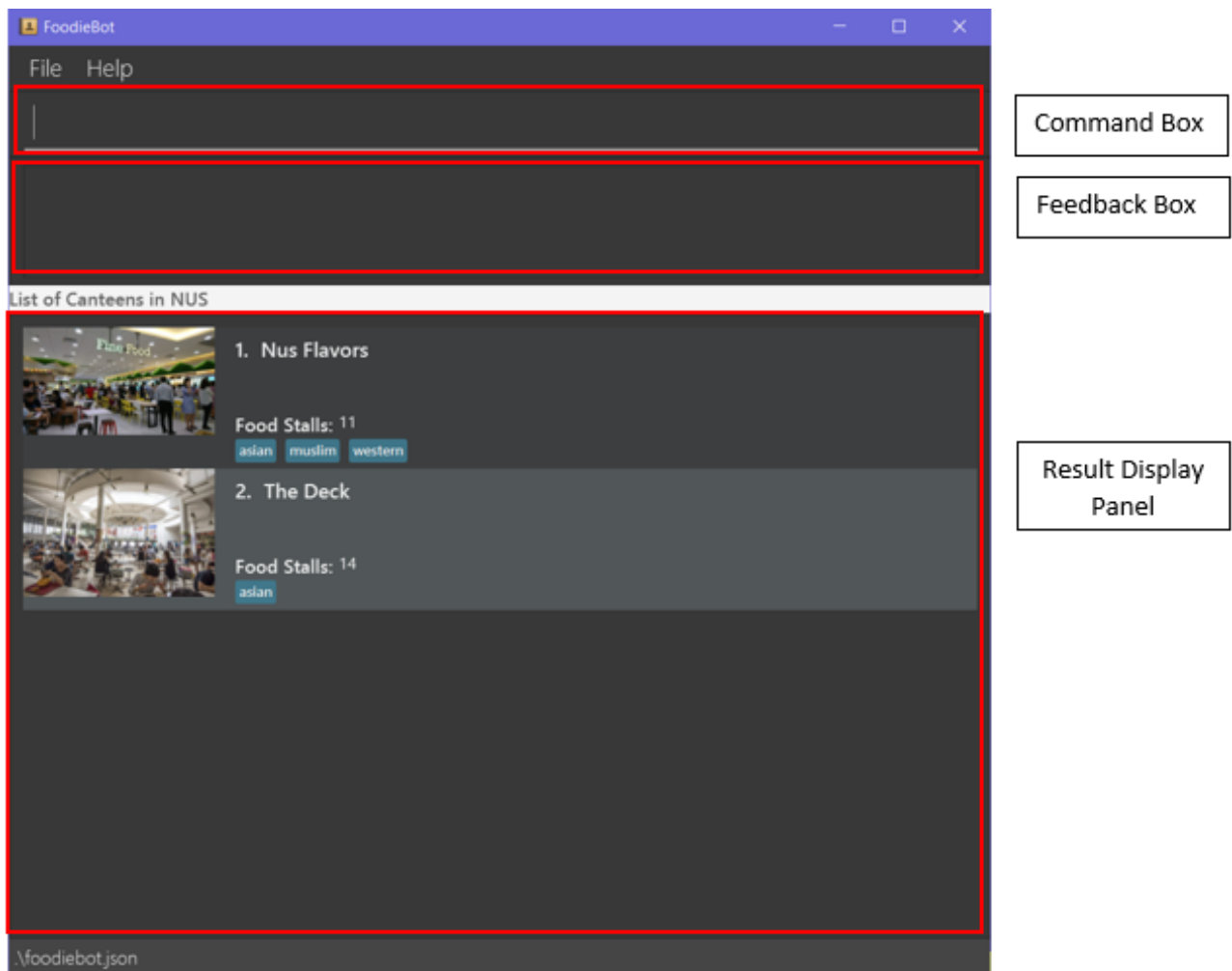
5. Type the command in the command box and press `Enter` to execute it. e.g. typing `help` and pressing `Enter` will open the help window.

> **TIP** Some example commands you can try are listed below:

- `list` : Lists all canteens or return to the main page.
- `enter The Deck` : Display all the stalls location within The Deck.
- `goto The Deck f/ COM1` : Display direction to go to deck from COM1.
- `back` : Go back to the previous view
- `exit` : the exit command will close FoodieBot

4. Features

> **Command Format**
>
> - Words in `UPPER_CASE` are the parameters to be supplied by the user e.g. in `budget set w/ AMOUNT`, `AMOUNT` is a parameter which can be used as `budget set w/ 9.50`
> - Items in square brackets are optional entries e.g `report [w/DATE]` can be entered as `report [w/ 12-02-2020]` or as `report`.
> - *Canteen names*, *stall names* and *commands* are **case sensitive**.

4.1. Back Command: `back`

If you want to return to your previous screen, just key in `back` and it'll bring you back (at least if a previous screen exists).

Format: `back`

4.2. Exit Command: `exit`

When you're done using the application, type `exit` into the command box to close the application.

Format: `exit`

4.3. List all Canteens: `list`

Curious to discover the range of dining options on campus? Simply enter `list` into the command box and FoodieBot will show you all the fabulous canteens on campus for you to browse at your leisure.

Format: `list`

Parameters:

- `[f/BLOCK_NAME]` - If you want to view the canteens by their distance from the place specified by `BLOCK_NAME`, this is the tag for you. This will list the canteens in order of increasing distance from `BLOCK_NAME`.

> **TIP** You can also type `list` into the command box to return to the main page. This is a handy shortcut if you ever forget which **Context** you're in.
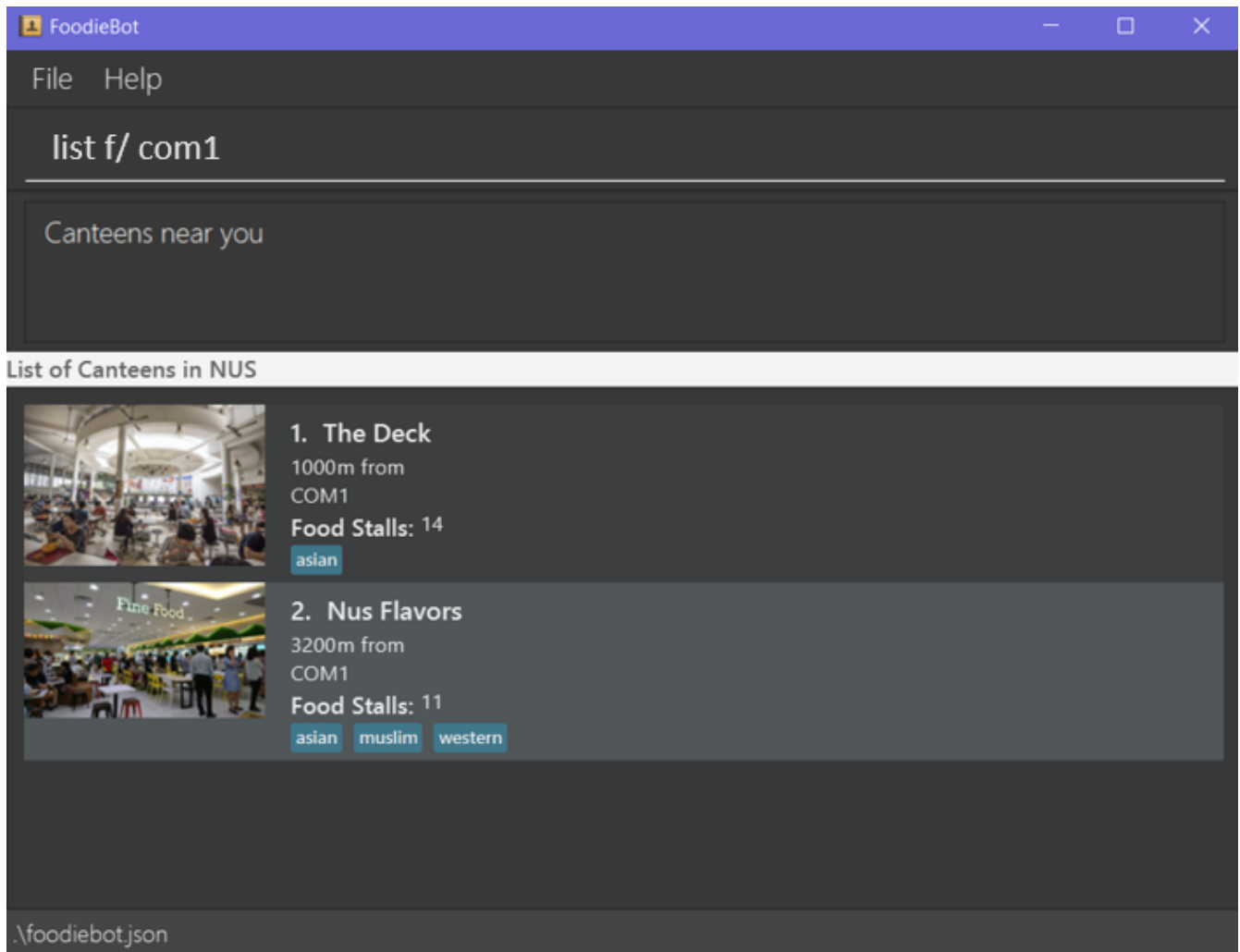
> Examples:
>
> `list`
>> List all canteens.
>
> `list f/com1`
>> List all canteens starting with the nearest canteen from com1

4.4. Go to a Canteen: `goto`

If you're ever lost in NUS, worry no more! The `goto` function can conveniently tell you the directions to the canteen you wish to go to from your current location which you have indicated. It even includes a map image to aid you with understanding the directions even easier.

NOTE	This function will only work on the main page.

Format: `goto CANTEEN_NAME f/ CURRENT_LOCATION`

Parameters:

- `CANTEEN_NAME`: The canteen name

- `CURRENT_LOCATION`: The nearest block from your current location

These `CURRENT LOCATION`(s) are available for directions:

- com1

These `CURRENT LOCATION`(s) will be added in future releases (but are recognised as valid locations):

- pgpr
- uhc
- utown

**NOTE**   `CANTEEN_NAME` and `CURRENT_LOCATION` field has to be one of the suggestions. Otherwise an error message will be displayed telling the user to provide a valid `CANTEEN_NAME` and `CURRENT_LOCATION`.
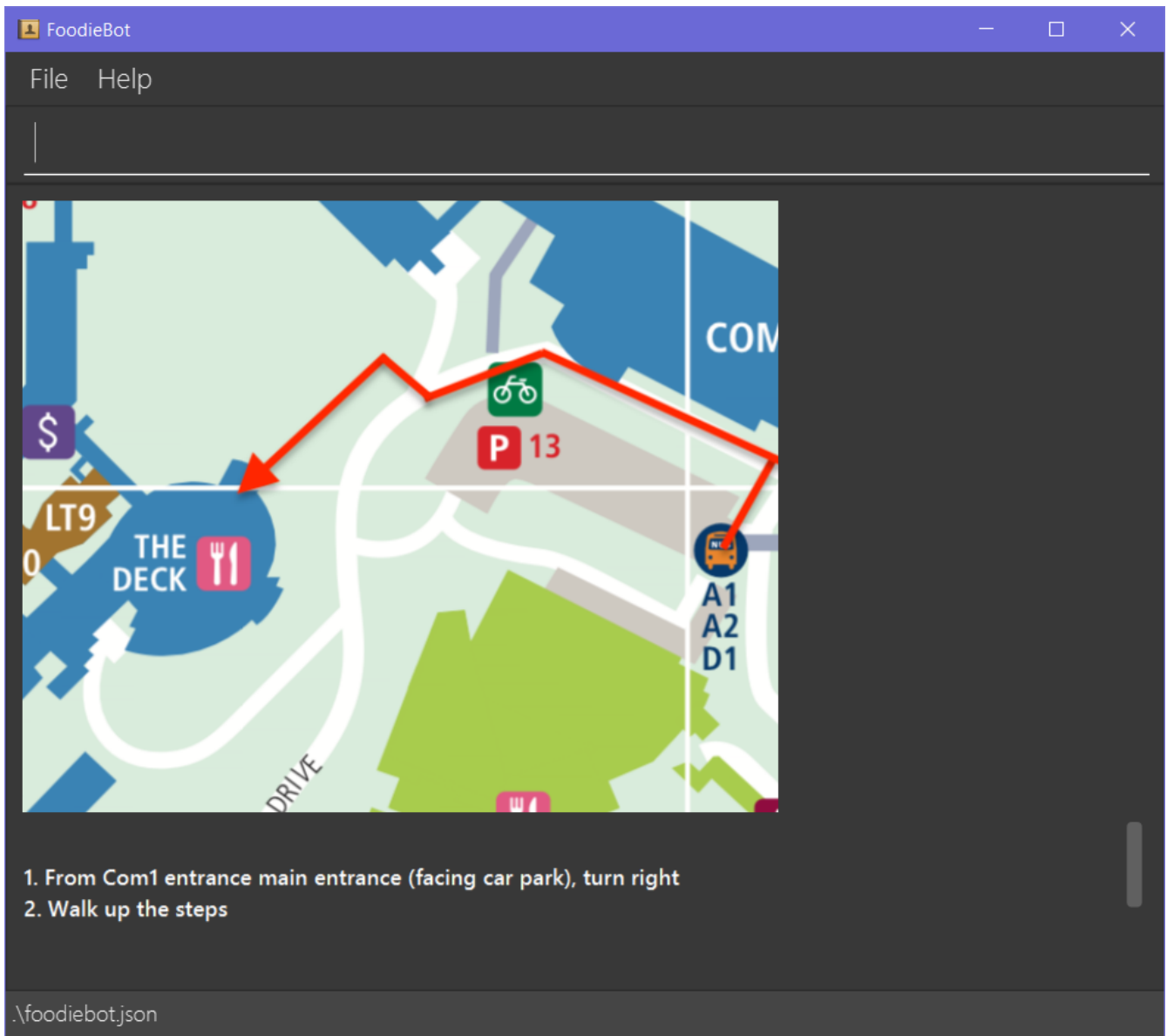
Example

Let say you wish to go to The Deck from your current location at com1.

1. Enter the canteen which you want to go to and your current location in this format on the main page `goto The Deck f/ com1`.
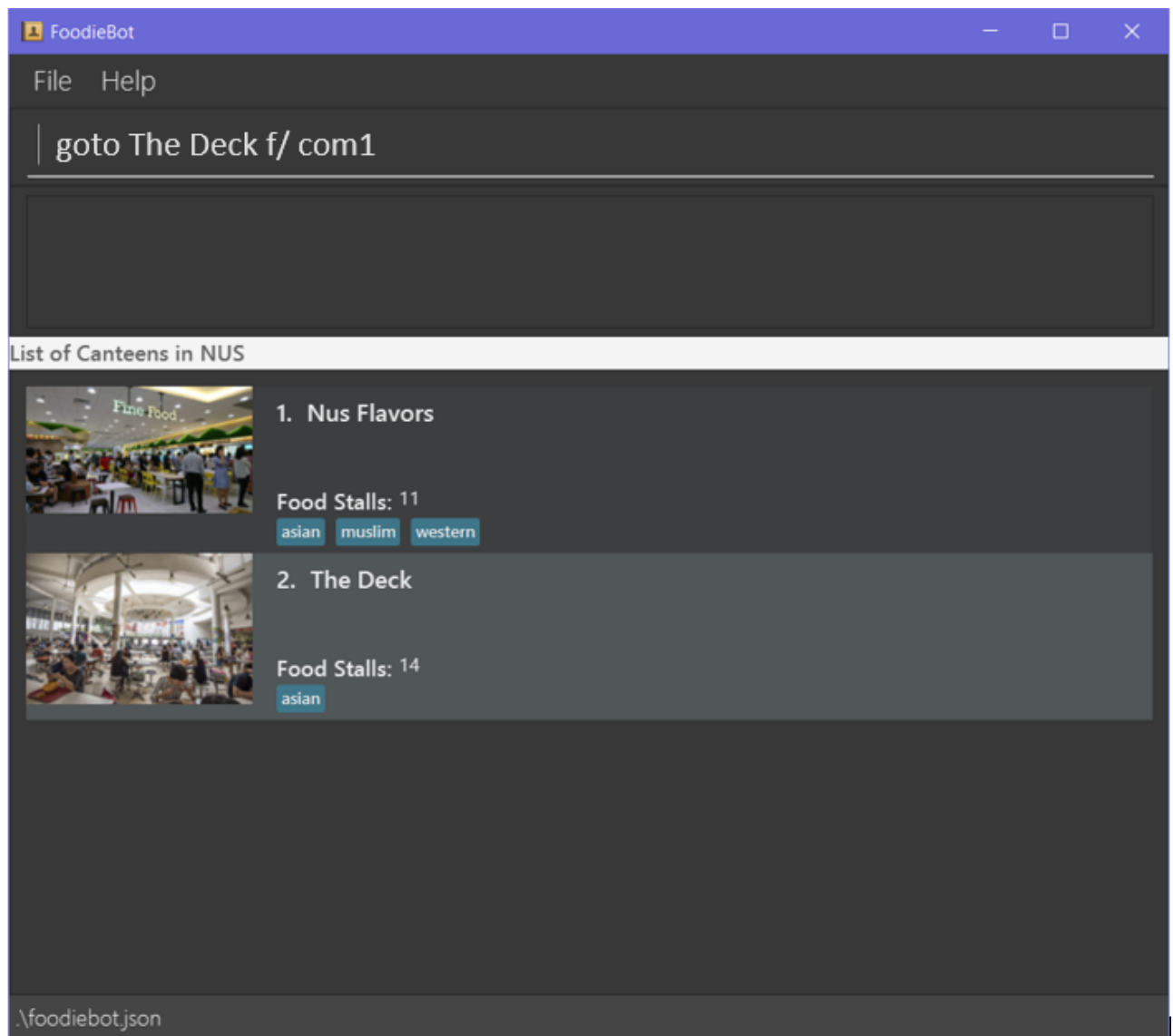
2. Then press Enter. This will give you a clear image and instruction on how to get to canteen from the nearest bus stop.

4.5. View Stalls or Menu: enter

Curious about the details of a particular canteen or stall? The enter command allows you to find out all the information you want about the canteen or stall you are interested in.

Format: enter STALL_NAME/ CANTEEN_NAME/ INDEX

Parameters:

- INDEX: An index that corresponds to a particular canteen. This index is located beside the canteen name.
- CANTEEN_NAME: The canteen name has to be from one of the canteens displayed. Partial names are not allowed.
- STALL_NAME: The stall name has to be from one of the stalls displayed. Partial names are not allowed.

NOTE	Information about the types of food sold at the stall, the rating of the stall and various other things will be implemented in v2.0. The stall's rating is determined from the user's past experiences of the food items which were selected (find out more in Section 4.13: Rate Food Items).

Example

You wish to see the stalls available in Nus Flavors.

1. On the main screen, type `enter Nus Flavors` or `enter 1` into the command box.
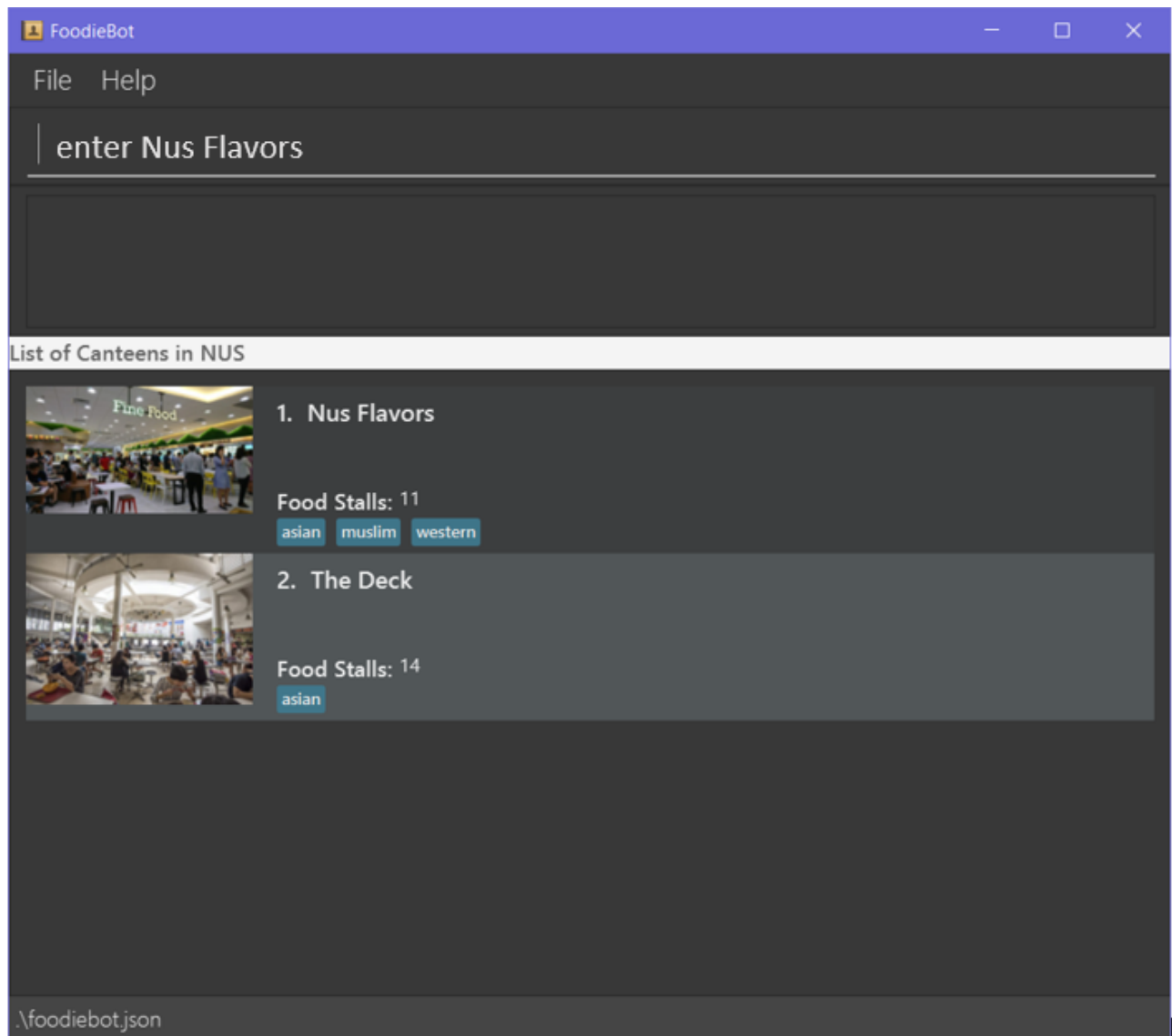
2. This will display the list of stalls that Nus Flavors has. At the bottom of the screen, there will be a display box which displays the current canteen which you have entered.

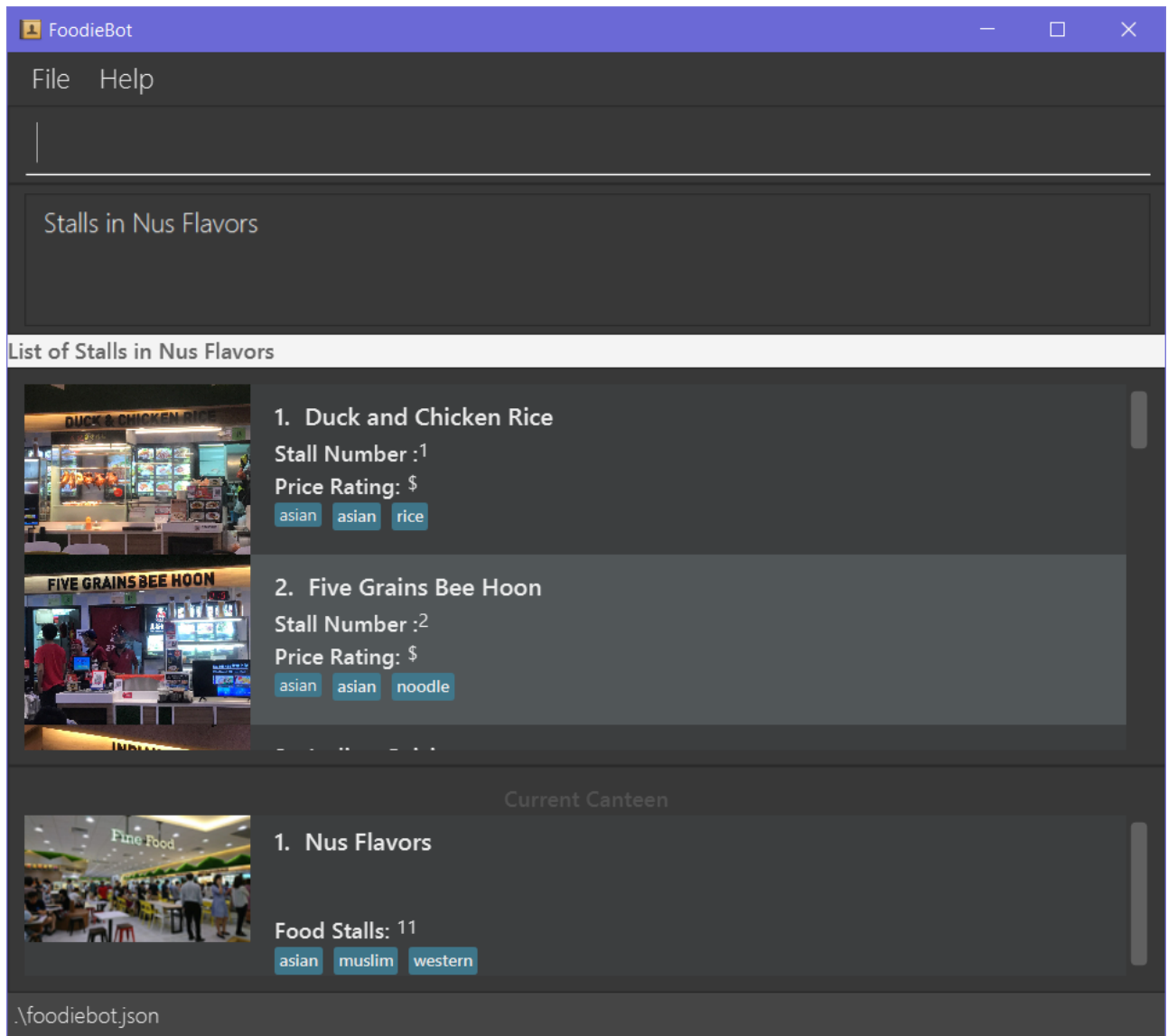- ◦ If you wish to view stalls in another canteen you can enter back into the command box. This will bring you back to the main page.

3. If you wish to see the menu of a stall, you can key in enter again. Let us see what the Western stall has on their menu. You can key in enter Western or enter 9. Don't forget to hit the enter after you are done typing.

4. This will show you the menu of the Western stall. For each food item, the name, the cost and the description of the food item will be given. At the bottom of the screen, there will also be a display box showing the current stall which you have entered.
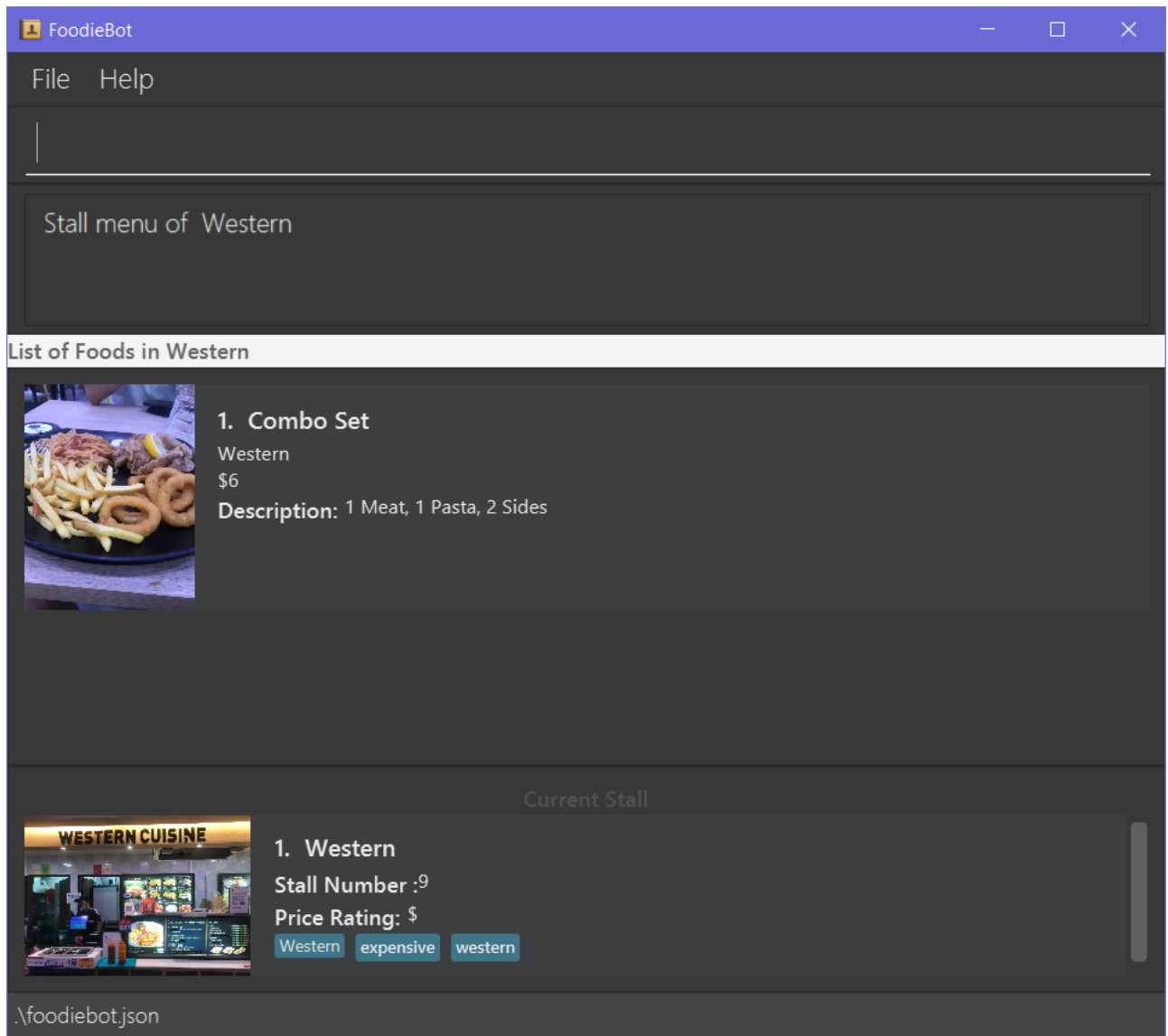
- Similarly, you can also enter `back` to return to the Nus Flavor canteen screen or enter `list` if you wish to return to the main screen.

4.6. Select the Food : `select`

Finally decided on a food item after browsing the countless food options at NUS, ordered it and want to record down your dining experience? The `select` function is here allowing you to save your selected food into your past transactions to help you track your history of food consumption.

Format: `select`

Parameters:

- `INDEX`: Select the food with the given index from the list displayed on the GUI

- `FOOD_NAME`: Select the food with the given name from the list displayed on the GUI

NOTE	If a budget has been set up, the price of the selected food will be automatically deducted from your budget. This helps you keep track of how much money you have spent and how much more you can spend. Nifty, isn't it?

Example

You have decided what you want to eat and you want to save that item to update your transaction history.

1. Ensure that you are on the menu screen of the stall. If you do not know how to get to the menu you can refer to the section above or here.

2. Continuing on from the example from the `enter` command above, we are currently in the Western stall.
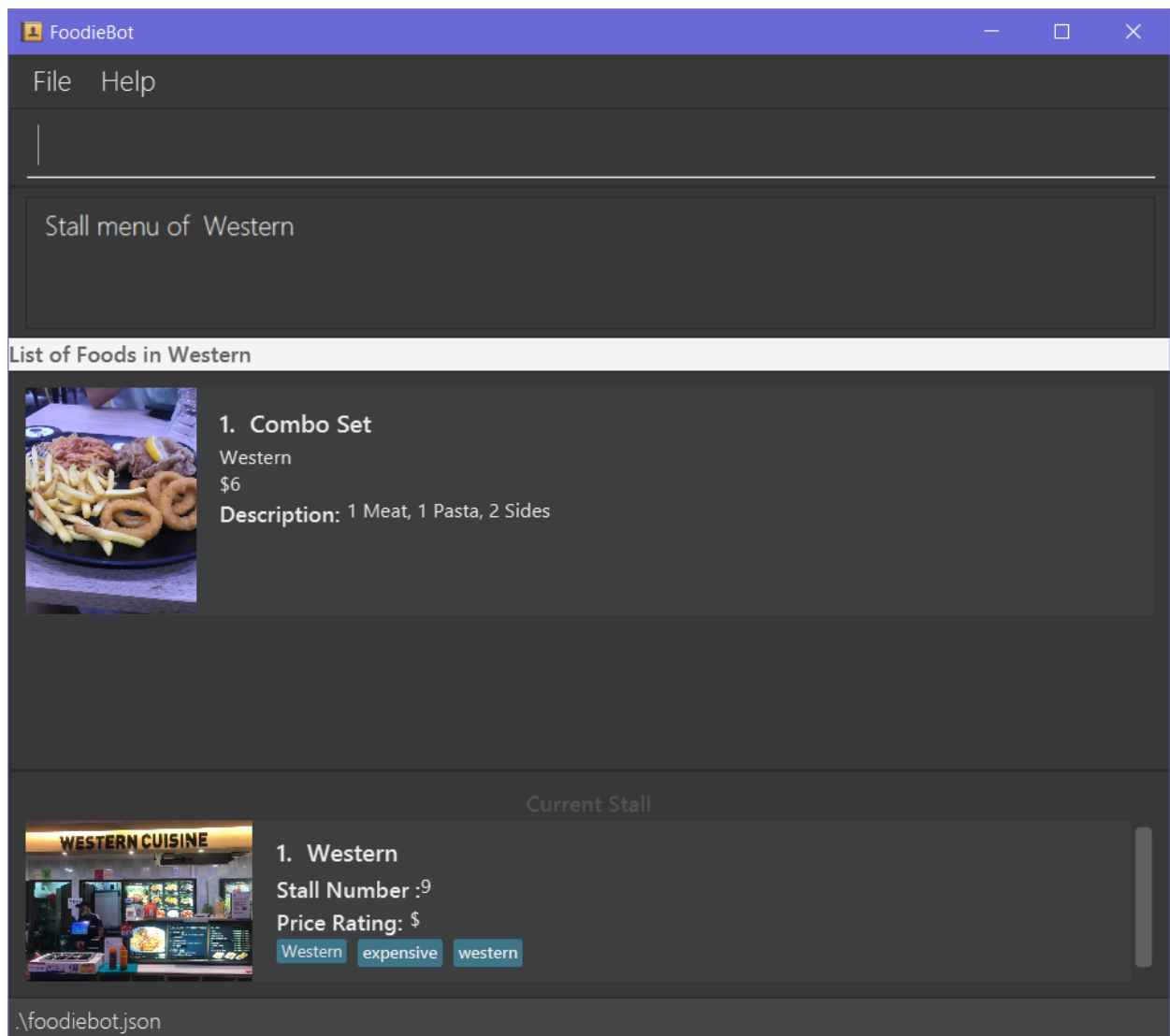
3. Enter `select Combo Set` or `select 1` into the command box.

4. This will display the cost of the item, the remaining amount that you have and the amount you are left with to spend for the day.

```
select Combo Set|

You have selected: Combo Set, this costs: $6.00
Your remaining budget is $4.00
You still have $4.00 to spend today:)

1. Combo Set
   Western
   $6
   Description: 1 Meat, 1 Pasta, 2 Sides
```

4.7. Randomize Food Selection : `randomize`

Bamboozled by the countless dining options at NUS or simply bored of going to the same boring old canteens to eat everyday? `randomize` is here to help you to generate a random option when you cannot decide on what to eat or if you just want to spice up your culinary experience in NUS.

Format: `randomize`

Parameters:

- `[c/ CANTEEN_NAME]` - Produce a randomized list of foods from foods available at the particular canteen .

- `[t/ TAG]` - Randomize based on foods which are tagged with the tag provided.

> **Example**
>
> On a day where you cannot decide on what to eat but you don't mind travelling anywhere on campus, you suddenly remember that FoodieBot has a convenient `randomize` function.

1. Just enter `randomize` into the command box on the main screen.
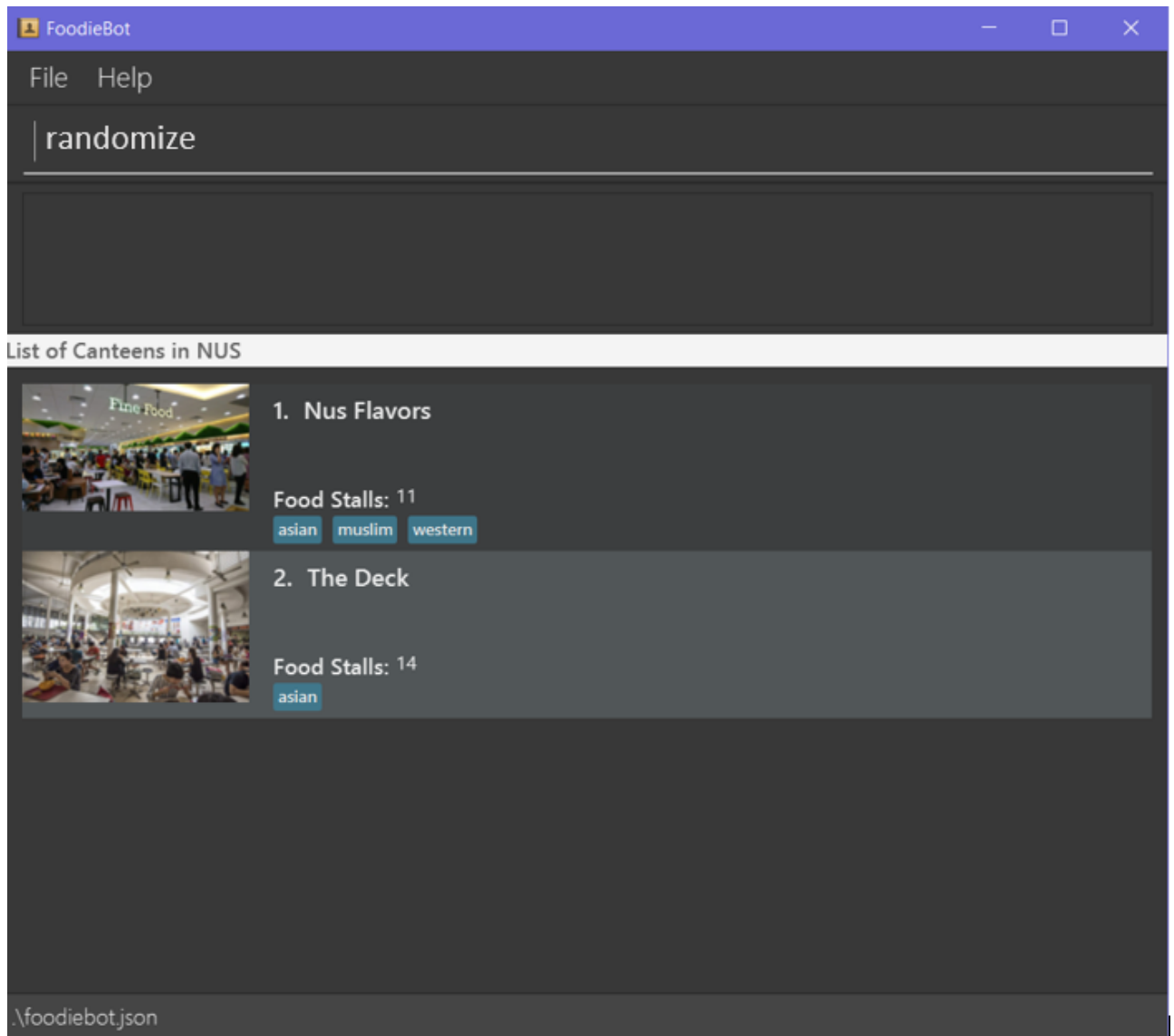
2. This will generate 1 option for you with the details of the *canteen name* that this stall belongs to, the *stall name*, the *stall number*, the *price rating* and the tag if there are any.
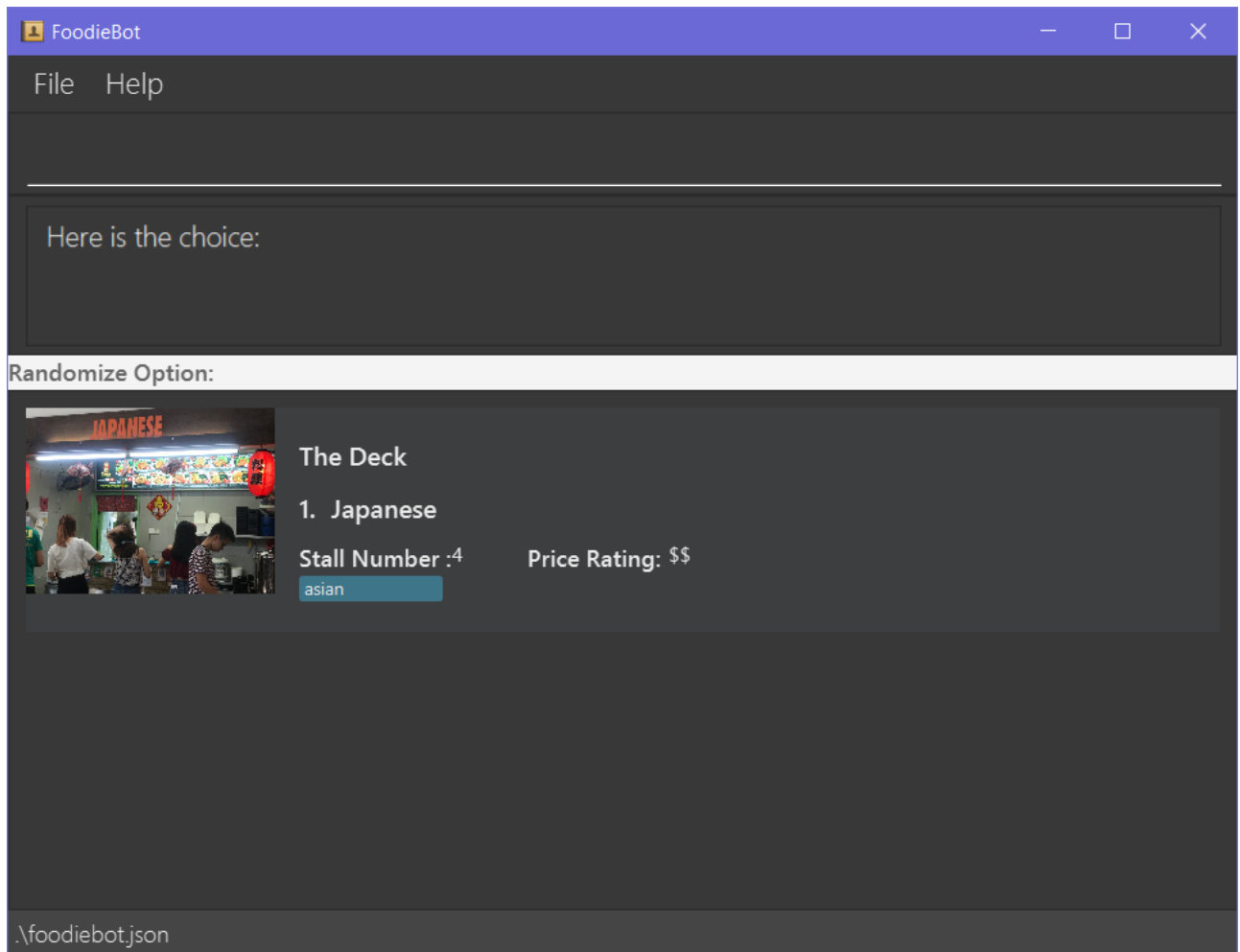
- If you like the option that you see, you can key in `enter Japanese` or `enter 1` to be redirected to the stall to see the menu.

- If you do not like the option, you can enter `randomize` again to be given another option.

Example

What if you want to get a random option only from a particular canteen (eg. The Deck) that you are at or an option based on what you crave (eg. spicy food)?

- If you want to get a random option based on the canteen (eg. The Deck), you can enter `randomize c/ The Deck` on the main screen. This will display an option that is based on the canteen you want (in this case The Deck).

- If you want to get a random option based on your craving (eg. spicy), you can enter `randomize t/ spicy` on the main screen. This will display a food which has the spicy tag.

- OR similarly, you can also enter the canteen first before getting a random option.

  1. In the command box key in `enter The deck` or `enter 2` to get the list of stalls available in The Deck.
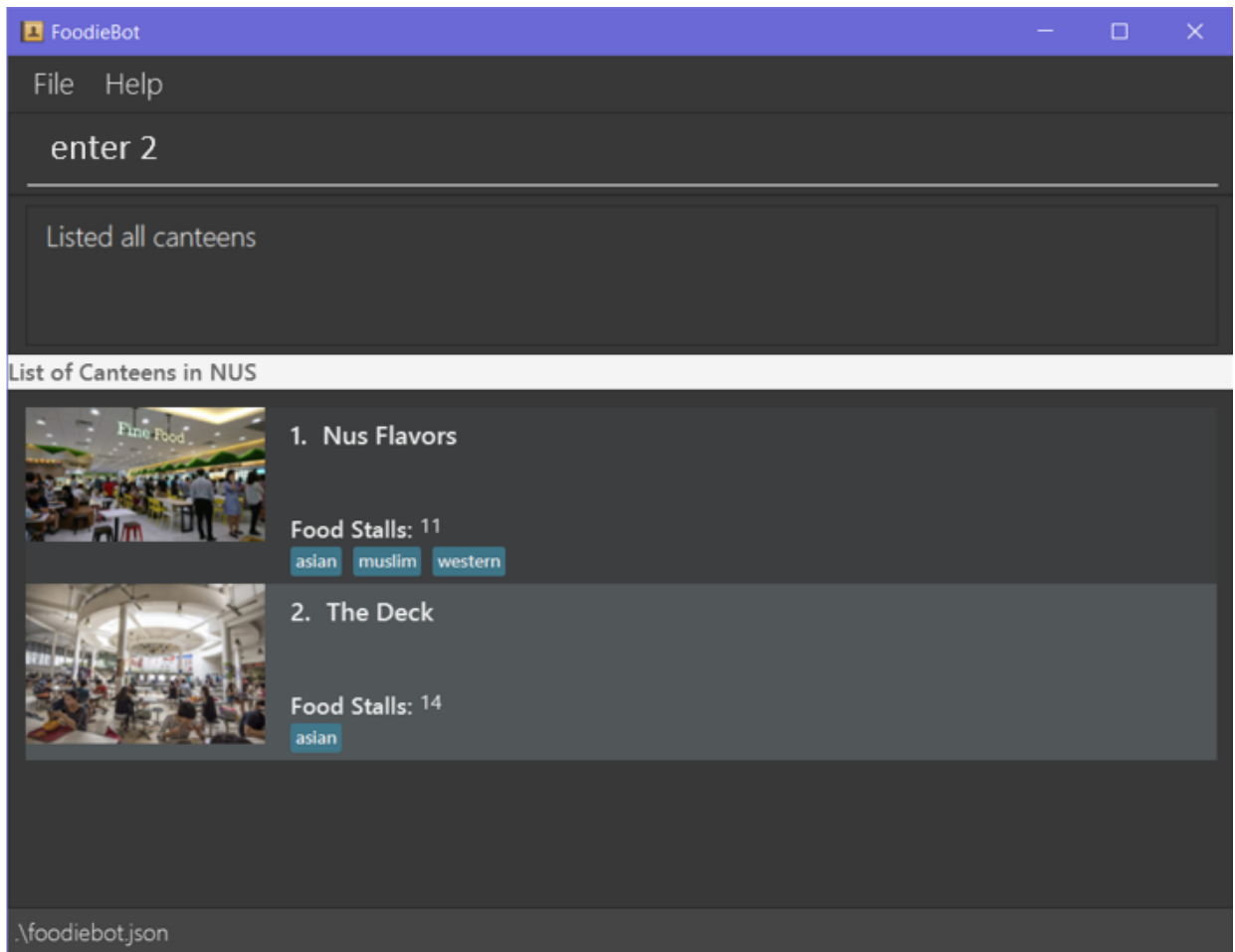
2. After that enter `randomize` or `randomize t/ TAG` to get an option.
   Let's try getting a food option that has rice from The deck
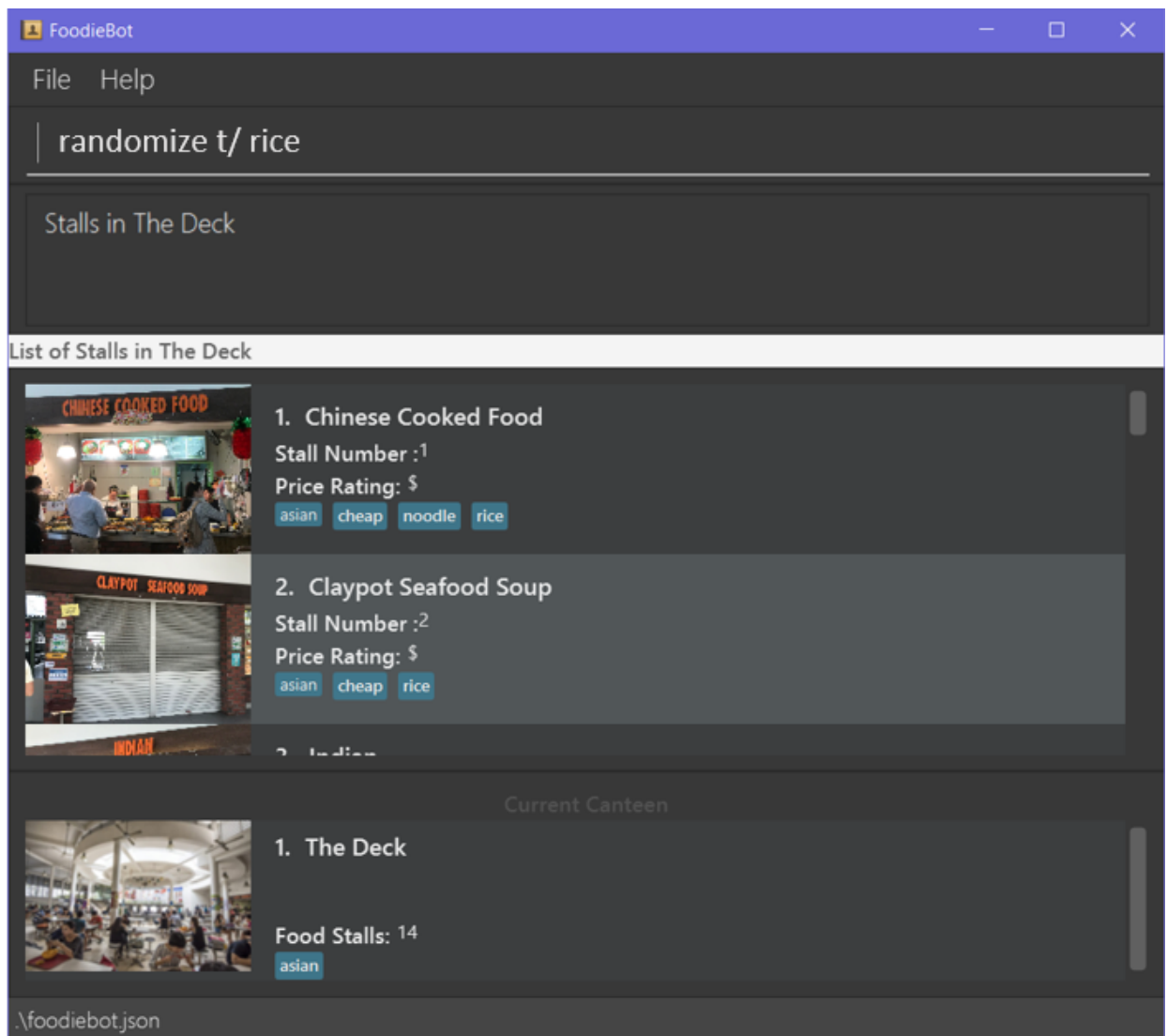
3. This will display an option if there is a stall option that has that tag. Otherwise it will display a message in the feedback box.
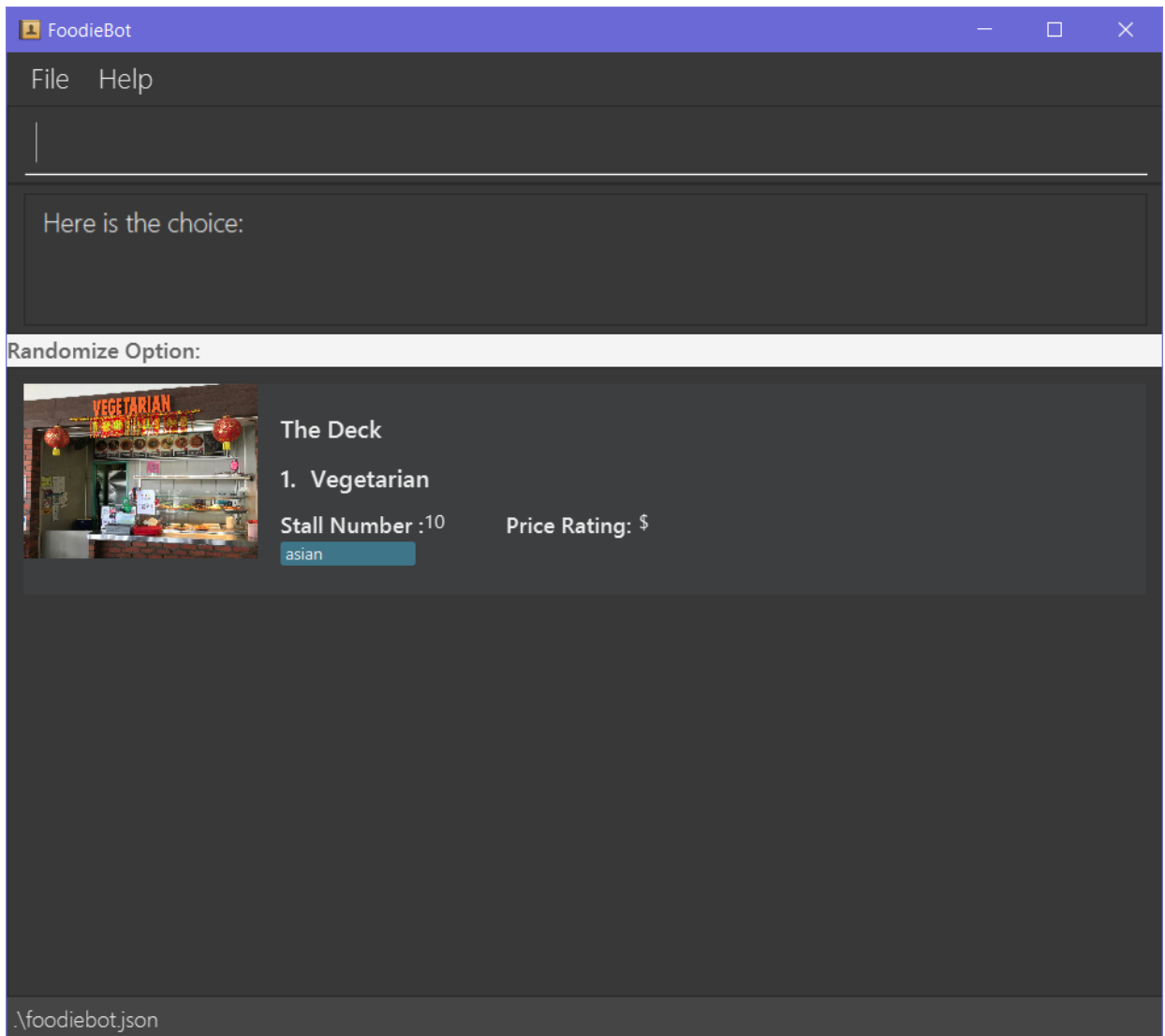
4.8. Set a Budget : budget set

Have problems keeping track of your spending? The budget set command allows you to set up a daily, weekly or monthly budget to help you track how much money you have left to spend. This budget can be changed anytime you want but please note the consequences in the box below!

NOTE	Changing the budget will reset the budget overview for the current budget cycle. For example, if you have $5 remaining from a weekly budget of $20, setting a new monthly budget of $150 will update your current budget settings to the new one, but at the same time resets the start date of the cycle, your remaining budget, as well as an overview of your spendings in your budget. (But not to worry, all of your transactions are still saved!)

Format: budget set PERIOD AMOUNT

Parameters:

- AMOUNT: The maximum amount available to spend for the given time period.

- PERIOD: The length of the cycle that a budget is effective for and when it will refresh.

List of values for `PERIOD` are:

- `d/` - Daily
- `w/` - Weekly
- `m/` - Monthly

NOTE	`PERIOD` field has to be one of the above suggestions. `AMOUNT` field has to be numeric (with or without decimal places). Otherwise an error message will be displayed requesting a correct type to be provided.

Examples:

`budget set d/ 10`

- Set daily budget to $10.

`budget set w/ 30.50`

- Set weekly budget to $30.50.

`budget set m/ 100`

Set monthly budget to $100.

4.9. View Budget: `budget view`

Curious about your budget this cycle, how much you have spent and how much you have left? `budget view` allows you to see all your spending as well as the amount of money you have left to spend.

Format: `budget view`
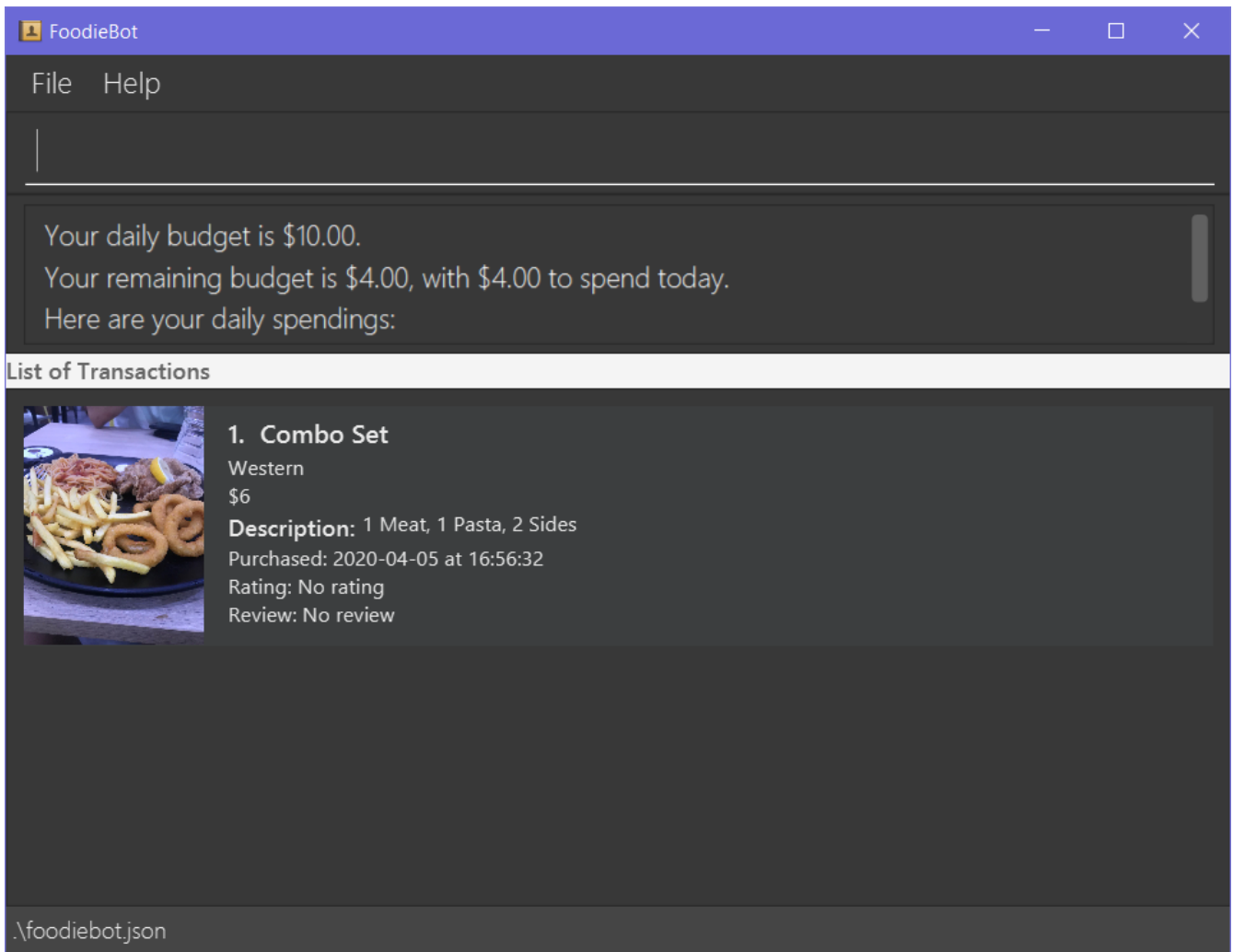
4.10. View Expense Report: `report`

If you want to see how much you have spent over a period of time, view a beautifully designed report of your past expenses with the `report` command.

NOTE	This command has several variations to choose from! Also, the date can be delimited with '-', '.' or '/', as long as your date format follows a generic DD/M/YY or D-M-YYYY format (e.g. 11/4/20, 3-6-2019)! D - day M - month Y - year

Format:

- `report`

- `report [f/FROM_DATE] [t/TO_DATE]`

- `report [w/DATE]`

- `report [m/MONTH]`

- `report [y/YEAR]`

Parameters:

- `[f/FROM_DATE]` `[t/TO_DATE]` - Generates report from `FROM_DATE` until `TO_DATE`.

  - Example: `report f/ 12-02-2020 t/ 30-04-2020`

- `[w/DATE]` - Generates report for the week (Monday-Sunday) of the input date.

  - Example: `report w/ 12-02-2020`

- `[m/MONTH]` - Generates report of the input month.

  - Example: `report m/ jan` - Generates a report for the month of January for the current year.

  - Example: `report m/ jul y/ 2019` - Generates a report for the month of July of the specified year of 2019.

- `[y/YEAR]` - Generates report of the input year.

  - Example: `report y/ 2020`

NOTE	`FROM_DATE` cannot be a future date. `TO_DATE` cannot be before the `FROM_DATE`, or the earliest possible date if the [f/] field is empty.
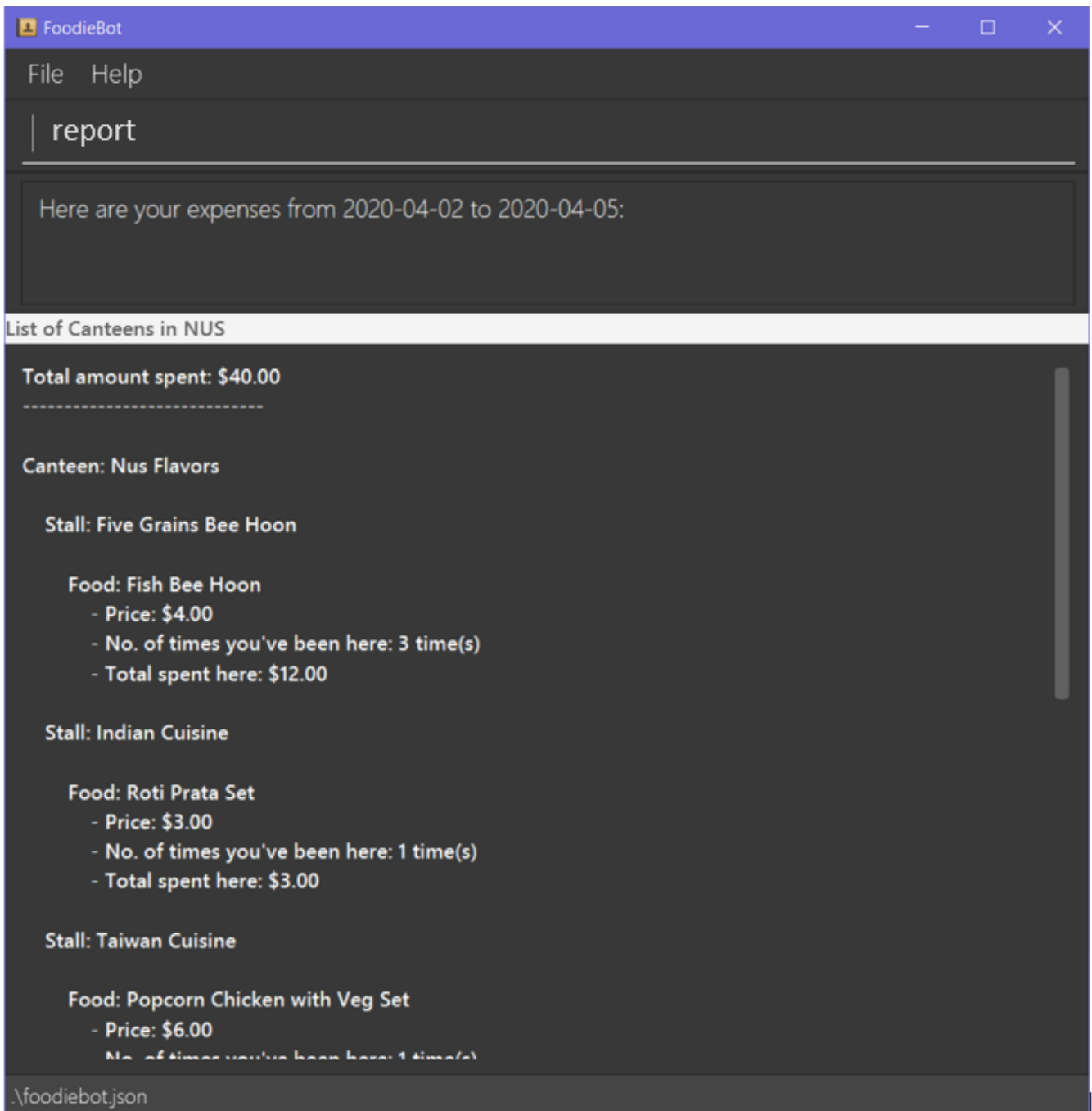
4.11. View Past Transactions: `transactions`

In a similar way to `report`, `transactions` also allow you to see all the food you have purchased in a particular period.

NOTE	This command has several variations to choose from! Also, the date can be delimited with '-', '.' or '/', as long as your date format follows a generic DD/M/YY or D-M-YYYY format (e.g. 11/4/20, 3-6-2019)! D - day M - month Y - year

Format:

- `transactions`

- `transactions [f/FROM_DATE] [t/TO_DATE]`

- `transactions [w/DATE]`

- `transactions [m/MONTH]`

- `transactions [y/YEAR]`

Parameters:

- `[f/FROM_DATE] [t/TO_DATE]` - Displays transactions from and till the given dates.

  - Example: transactions `f/ 12-02-2020 t/ 30-04-2020`

- `[w/DATE]` - Displays transactions for the week (Monday-Sunday) of the input date.

  - Example: transactions `w/ 12-02-2020`

- `[m/MONTH]` - Displays transactions of the input month.

  - Example: transactions `m/ jan` - Displays all transactions in the month of the current year.

  - Example: transactions `m/ jul y/ 2019` - Displays all transactions in the month of the specified year.

- `[y/YEAR]` - Displays transactions of the input year.

  - Example: transactions `y/ 2020`

NOTE	`FROM_DATE` cannot be a future date. `TO_DATE` cannot be before the `FROM_DATE`, or the earliest possible date if the f/ field is empty.
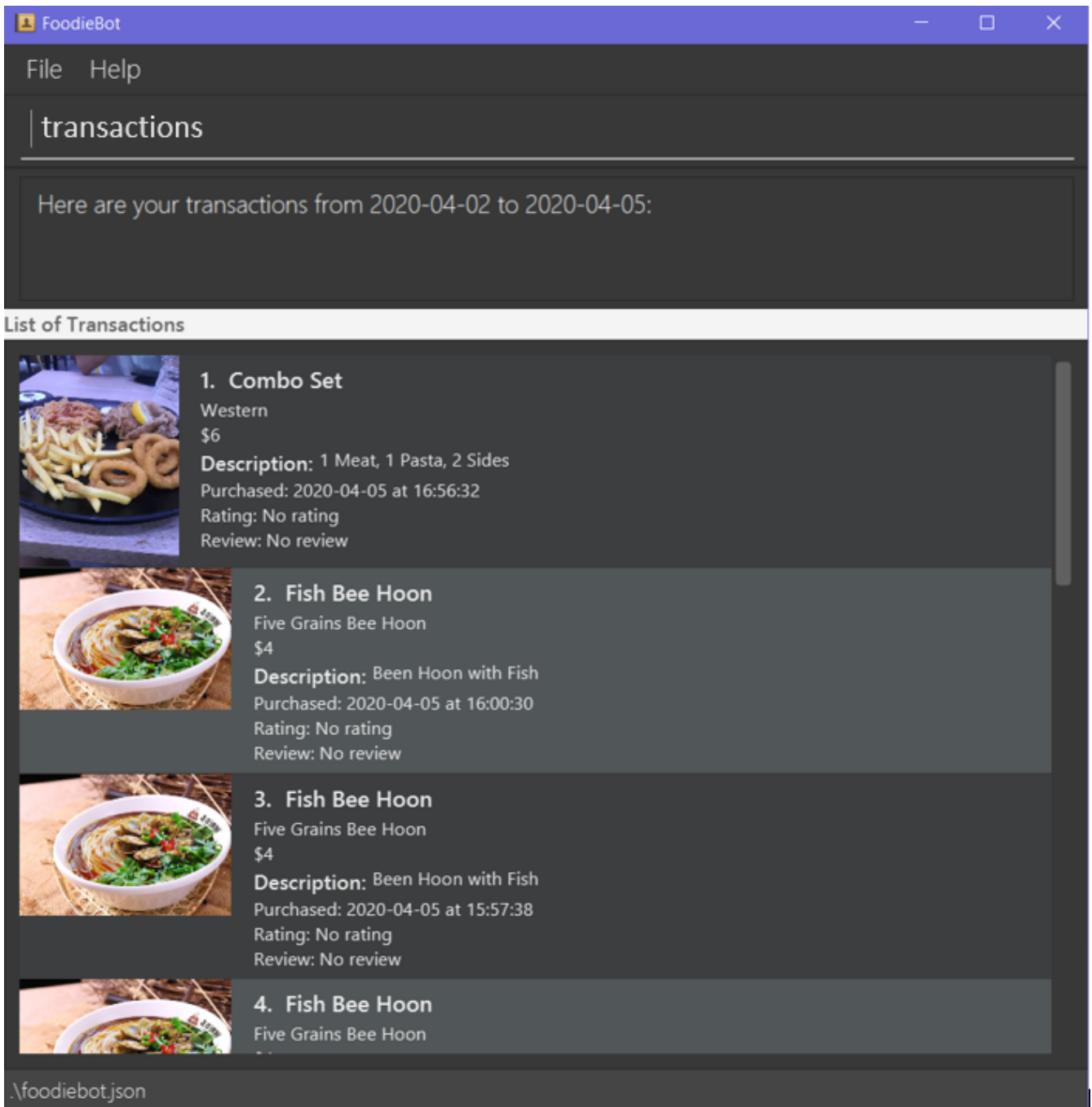
4.12. Delete A Transaction: delete

Accidentally added a wrong food to your purchases? The delete command allows you to do just that, by giving the index of the food to delete.

NOTE	The index to delete has to be within the range of the list of transactions.

Format: delete INDEX

Parameters:

- INDEX - The index of the item in the list of transactions.

> **Example**
>
> You had accidentally selected the same food twice in a row too quickly, and want to delete one of them.

1. Type in `transactions` from the main screen to enter the transactions page.

2. Locate the index number of the food you wish to delete.

3. Type in `delete` followed by the index number of the purchase, then hit `enter`.

4. The additional purchase is now removed!

TIP	Removing a food purchased only during a current budget cycle will add the amount back to your remaining budget!

4.13. Review Food Items: `review`

From the **transactions** screen, leave a food review for a food item you have consumed to help you jog your memory and recall your experiences, be it pleasant or unpleasant, of the previous time you had the food.

Format: `review INDEX REVIEW`

Parameters:

- `INDEX` - This must be the first parameter and an index from the list has to be specified.

- `REVIEW` - This must be the second parameter and the review message cannot be blank.

> **Example**
>
> You want to review a food item that you have eaten for future reference.

1. Ensure that you are on the transaction screen. You can key in `transactions` on the main screen to get there.

2. Pick a food you wish to review. Now perhaps you think that the Combo Set was delicious and that you absolutely adored the bbq sauce.
   Key in `review 1 The food is delicious! Love the bbq sauce` into the command box, and hit `enter`.

> **TIP**　You can update existing reviews by using the same command.

4.14. Rate Food Items: `rate`

Lazy to write a full food review? Well from the `transactions` screen, you can simply leave a food rating to show how well you thought of the food you had.

Format: `rate INDEX RATING`

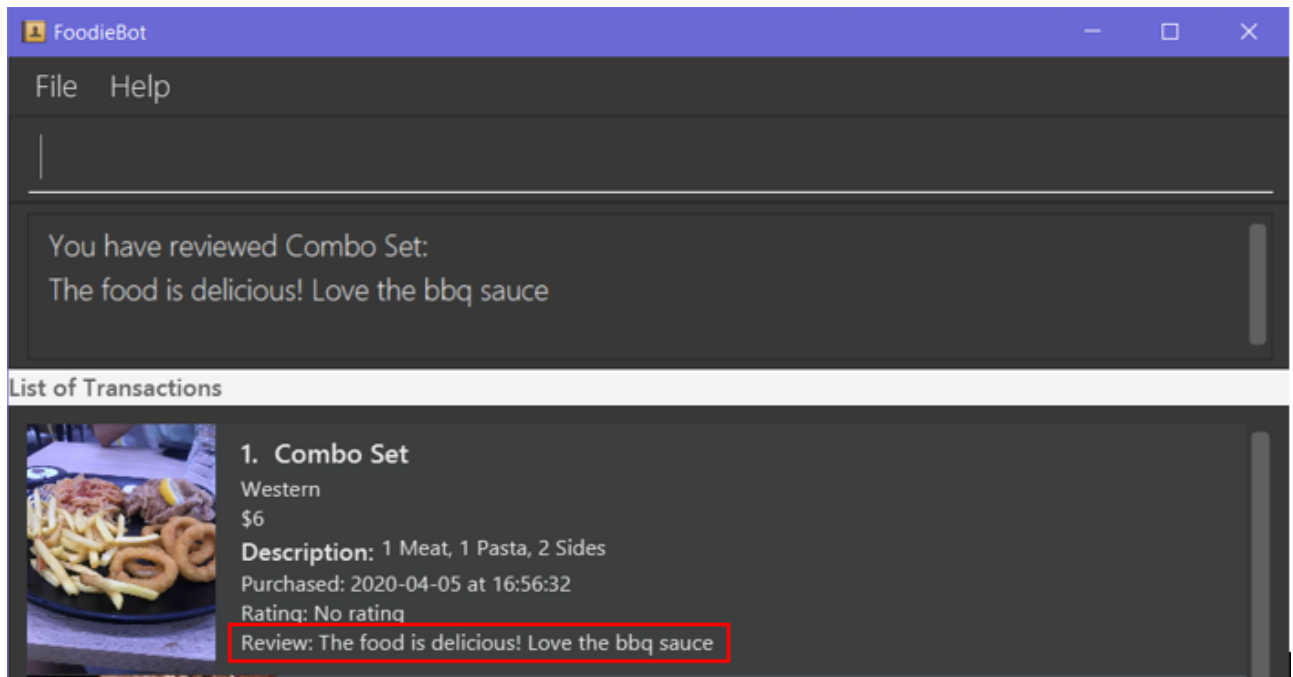Parameters:

- `INDEX` - This must be the first parameter and an index from the list has to be specified.

- `RATING` - This must be the second parameter and requires a rating for the food item.

> Example:
>
> `rate 3 8`
>> Rate the 3rd item in the transactions list as 8.

> **TIP**　You can also update existing ratings by using the rate on the same food item.

4.15. Set Food Items as Favorites: `favorites set`

Just had this absolutely delicious meal and want to save it for the next time so you can remember to have it again or recommend it to others? From the **menu screen** of a stall, you can easily set your favourite food items for easier access in the future.
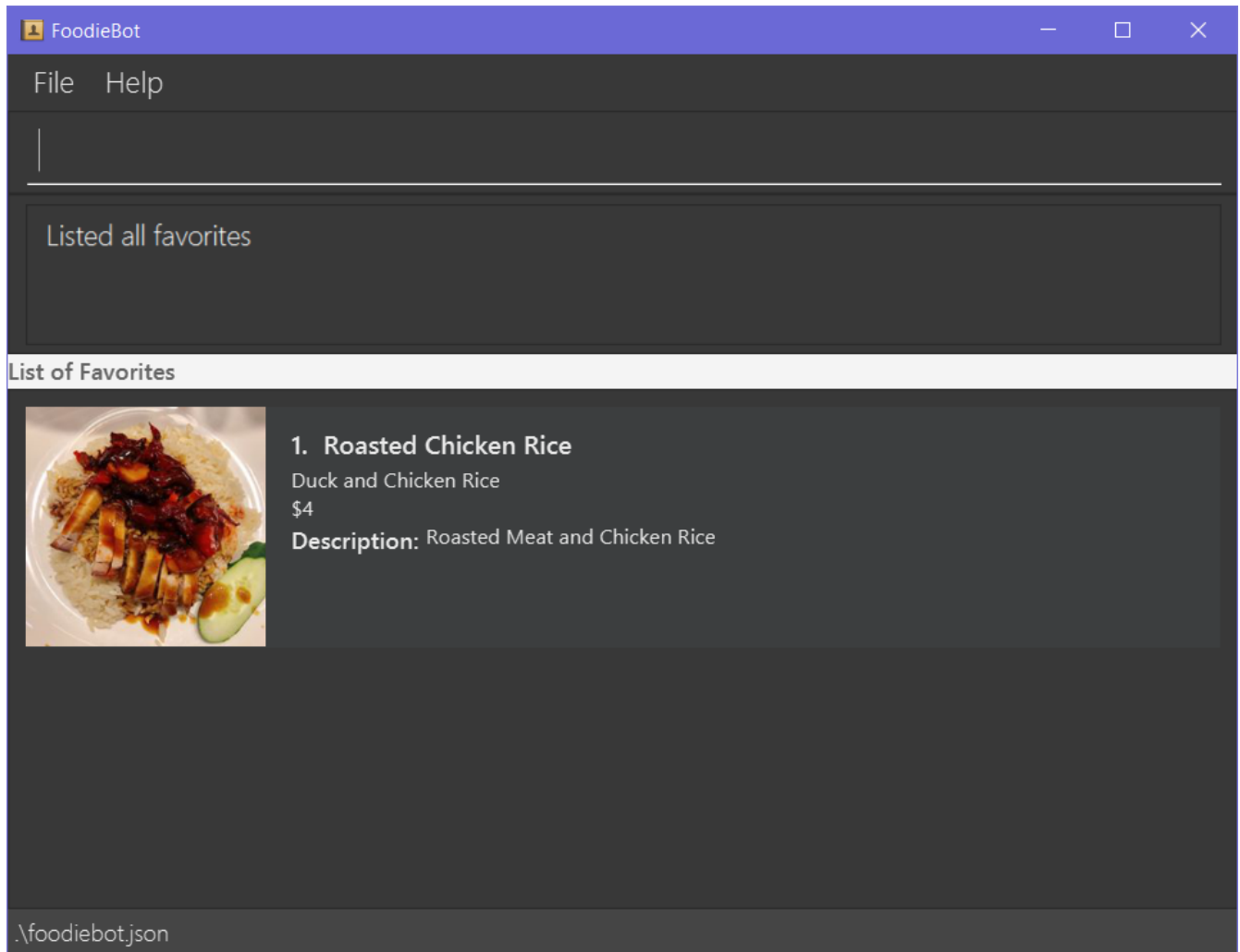
Format: `favorites set INDEX`

Parameters:

- INDEX - This must be the first parameter and an index from the list has to be specified.

4.16. View Favorited Food Items: `favorites view`

Once you have saved your favorite food items, you can easily access them with this command.

Format: `favorites view`

4.17. Remove Favorite Food Items: `favorites remove`

Had a change of heart and a particular food has lost your fancy? Don't worry because FoodieBot makes it painless to sever your ties, by allowing quick removal of that food.

Format: `favorites remove INDEX`

Parameters:

- INDEX - This must be the first parameter and an index from the list has to be specified.

4.18. Filter Canteens, Stalls or Food: `filter`

If you only want a canteen, stall or food with a particular tag, filter allows you to as its name suggests filter to show only the things you want. Filter also enables you to filter based on the maximum price you are willing to pay

Format: `filter TAG/ PRICE`

Parameters:

- `TAG` - Label tag associated with the canteen or stall depending on which context you are in.
- `PRICE` - a number which indicates the maximum price of food you are willing to pay for.

NOTE	You can only filter by *price* from the **menu page** of a stall.
	When filtering by *tag*, tags vary based on the **current context**.

Examples:

- If you wish to filter tags based on what the canteen has, you can enter `filter asian` on the main screen. This will display canteens with the asian tag.
- After entering a canteen, you can also filter the stalls based on tags as well.
- If you have decided on the stall you wish to eat from, but then have a limit on how much you can spend ($4). You can `filter 4` on the menu page. This will display all the options available that are within your budget.

5. FAQ

Q: How can I update the list of canteens if there are changes to the canteens on campus?
A: You can manually download foodiebot.json file which we have published here.

Q: Can I write my personal review in other languages?
A: Yes, FoodieBot accepts input for different types of language, however it does not support in-app localization.

6. Command Summary

Command	Function	Example
back	Return to the screen before	back
budget set PERIOD AMOUNT	Set a budget for the allocated period	budget set w/ 9.50
budget view	Views the current budget	budget view
delete INDEX	Removes a transaction	delete 1

Command	Function	Example
enter CANTEEN_NAME/ STALL_NAME	Displays the stalls for the selected canteen or the menu of the selected stall	enter The Deck/ enter Japanese
exit	Close the application	exit
favorites remove	Remove the food item from favorites	favorites remove 1
favorites set	Set the food item in the stall as a favorite	favorites set 1
favorites view	Displays all favorited food	favorites view
filter	Shows only canteens or stalls with a specified tag	filter asian
goto CANTEEN_NAME f/ CURRENT_LOCATION	Gets direction to canteen from the current location	goto The Deck f/ COM1
list	Displays the list of canteen	list
rate INDEX	Gives a rating to the stall	rate 2
randomize	Displays a list of randomize options	randomize c/ The Deck
report	Generates a report of the food consumed	report f/ 12-02-2020 t/ 30-04-2020
review INDEX	Creates a review for the stall	review 3
select INDEX	Saves the food in transactions	select 2
transactions	Generates the transaction breakdown	transaction w/ 12-02-2020