



# SpoonacularCLI

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Your Name

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## Overview

SpoonacularCLI is an interactive tool to choose from a wide range of food recipes based on the provided ingredient, on exit, display the chosen recipe's missing ingredients and stop the shopping experience.

## Goals

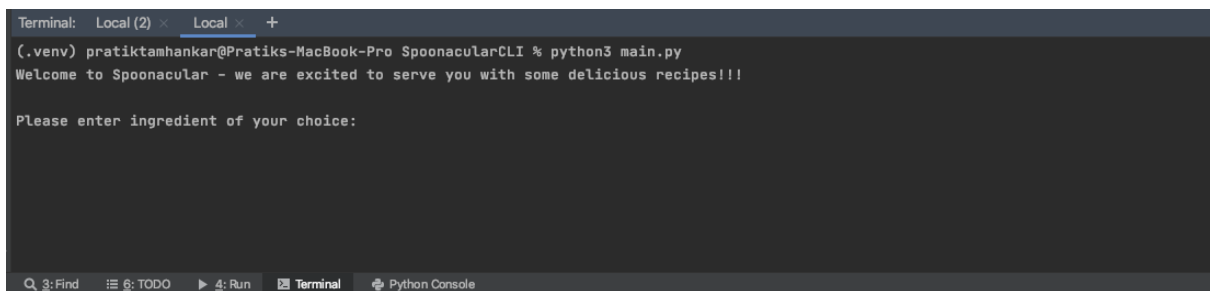
1. Provide user with descriptive prompts on the expected input values
2. If a user provides an invalid input, pause the process until user enters a valid input
3. If a user does not like a recipe, move to a new recipe, however if a user likes a recipe, track the missing ingredients in a cart
4. Minimize user's wait time
5. Maximize user's likelihood of saying yes to shown recipe - for this, the algorithm sorts the recipe list based on popularity(like value)
6. Minimize unknown errors, if occurred, show a human readable message
7. Maximize unit test coverage

## Specifications

### Happy workflow

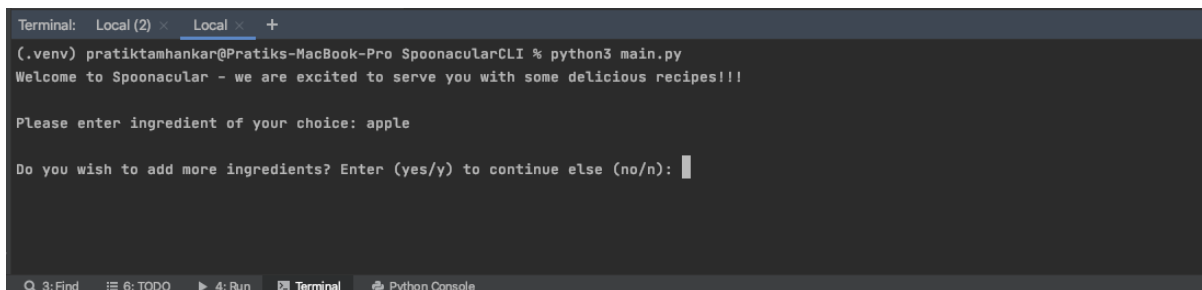
This workflow shows how if a user keeps adding acceptable values, they will be shown with the logical next step of the shopping experience

- Run python3 main.py or make run



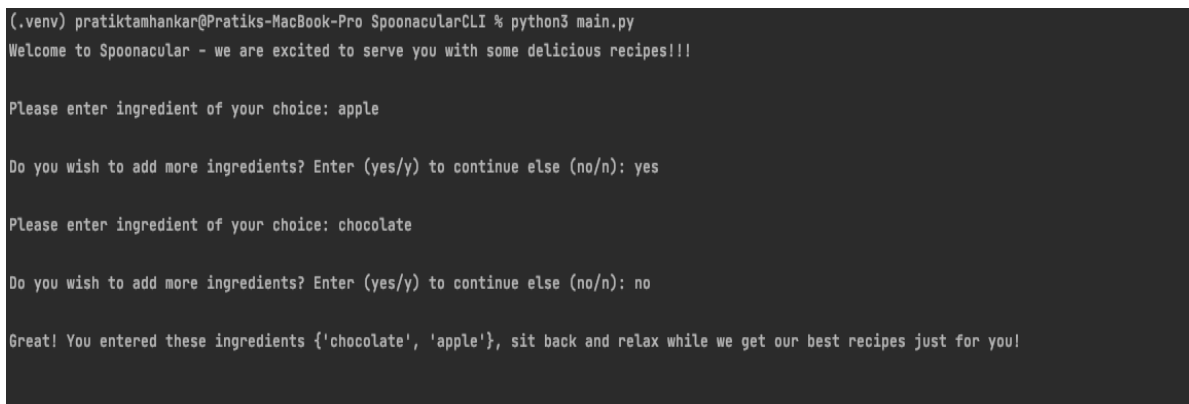
```
Terminal: Local (2) × Local × +  
(.venv) pratiktamhankar@Pratiks-MacBook-Pro SpoonacularCLI % python3 main.py  
Welcome to Spoonacular - we are excited to serve you with some delicious recipes!!!  
  
Please enter ingredient of your choice:
```

- Enter the choice of your ingredient, let's say apple.



```
Terminal: Local (2) × Local × +  
(.venv) pratiktamhankar@Pratiks-MacBook-Pro SpoonacularCLI % python3 main.py  
Welcome to Spoonacular - we are excited to serve you with some delicious recipes!!!  
  
Please enter ingredient of your choice: apple  
  
Do you wish to add more ingredients? Enter (yes/y) to continue else (no/n):
```

- Enter another ingredient if you wish, let's say chocolate



```
(.venv) pratiktamhankar@Pratiks-MacBook-Pro SpoonacularCLI % python3 main.py  
Welcome to Spoonacular - we are excited to serve you with some delicious recipes!!!  
  
Please enter ingredient of your choice: apple  
  
Do you wish to add more ingredients? Enter (yes/y) to continue else (no/n): yes  
  
Please enter ingredient of your choice: chocolate  
  
Do you wish to add more ingredients? Enter (yes/y) to continue else (no/n): no  
  
Great! You entered these ingredients {'chocolate', 'apple'}, sit back and relax while we get our best recipes just for you!
```

```
Great! You entered these ingredients {'chocolate', 'apple'}, sit back and relax while we get our best recipes just for you!

+-----+-----+-----+
| Recipe Name | Total Number Of Ingredients | Recipe Details |
+-----+-----+-----+
| Cannoli Ice Cream w. Pistachios & Dark Chocolate | 5 | +-----+-----+
| | | Ingredient Name | Usage Description | |
| +-----+-----+
| | | dark chocolate | 2 ounces dark chocolate, at least 70% cocoa | |
| | +-----+-----+
| | | milk | 1/2 cup milk | |
| | +-----+-----+
| | | pistachios | 1/4 cup pistachios, raw | |
| | +-----+-----+
| | | ricotta | 1 3/4 cups good-quality ricotta | |
| | +-----+-----+
| | | vanilla | 1/2 tsp vanilla | |
| | +-----+-----+
+-----+-----+-----+

Did you like this recipe? Press (yes/y) if you did else (no/n) to see new recipes, else enter (exit/EXIT) anytime: no
```

- If you choose No

```
Did you like this recipe? Press (yes/y) if you did else (no/n) to see new recipes, else enter (exit/EXIT) anytime: no

+-----+-----+-----+
| Recipe Name | Total Number Of Ingredients | Recipe Details |
+-----+-----+-----+
| Crockpot Applesauce | 5 | +-----+-----+
| | | Ingredient Name | Usage Description | |
| | +-----+-----+
| | | apples | 15-20 small apples (preferably organic), cored and quartered | |
| | +-----+-----+
| | | cinnamon | 1/2 t cinnamon | |
| | +-----+-----+
| | | juice of lemon | juice of 1 lemon | |
| | +-----+-----+
| | | orange juice | 1/4 c orange juice | |
| | +-----+-----+
| | | vanilla | 1-2 T vanilla | |
| | +-----+-----+
+-----+-----+-----+

Did you like this recipe? Press (yes/y) if you did else (no/n) to see new recipes, else enter (exit/EXIT) anytime: yes
```

- If you choose yes: we'll add the missing ingredients in that recipe and show you the next recipe

```

Did you like this recipe? Press (yes/y) if you did else (no/n) to see new recipes, else enter (exit/EXIT) anytime: yes

+-----+-----+-----+
| Recipe Name          | Total Number Of Ingredients | Recipe Details          |
+-----+-----+-----+
| OREO Cookie Balls - Snowman | 6 | +-----+-----+
|                               |   | | Ingredient Name      | Usage Description      | |
|                               |   | +-----+-----+
|                               |   | | bakers white chocolate | 4 packages Bakers Chocolate | |
|                               |   | +-----+-----+
|                               |   | | dark chocolate candy bars | 1 package RoLo chocolate candy | |
|                               |   | +-----+-----+
|                               |   | | oreo cookies            | 1 package OREO Cookies      | |
|                               |   | +-----+-----+
|                               |   | | cream cheese            | 1 8 oz package Cream Cheese softened | |
|                               |   | +-----+-----+
|                               |   | | icing                   | black gel icing           | |
|                               |   | +-----+-----+
|                               |   | | icing                   | orange gel icing          | |
|                               |   | +-----+-----+
+-----+-----+-----+

Did you like this recipe? Press (yes/y) if you did else (no/n) to see new recipes, else enter (exit/EXIT) anytime: exit

```

- Finally if you enter exit: your shopping experience is complete

```

Did you like this recipe? Press (yes/y) if you did else (no/n) to see new recipes, else enter (exit/EXIT) anytime: exit

+-----+-----+-----+-----+-----+
| SrNo | Name          | Aisle name          | Unit | Amount |
+-----+-----+-----+-----+-----+
| 1 | cinnamon     | Spices and Seasonings | t    | 0.5$   |
+-----+-----+-----+-----+-----+
| 2 | juice of lemon | Produce             |      | 1.0$   |
+-----+-----+-----+-----+-----+
| 3 | orange juice  | Beverages           | c    | 0.25$  |
+-----+-----+-----+-----+-----+
| 4 | vanilla       | Baking              | T    | 1.0$   |
+-----+-----+-----+-----+-----+

Your total shopping amount will be: 2.75$

Thank you for checking out our recipes and shopping with us. You checked 3 of our recipes and liked 1 of them.
We hope you'll come back to check more recipes, until then, Goodbye!!
(.venv) pratiktamhankar@Pratiks-MacBook-Pro SpoonacularCLI %

```

## Error Trappings:

- Run `python3 main.py` or `make run`

```
Terminal: Local (2) × Local × +
(.venv) pratiktamhankar@Pratiks-MacBook-Pro SpoonacularCLI % python3 main.py
Welcome to Spoonacular - we are excited to serve you with some delicious recipes!!!

Please enter ingredient of your choice:

Oops! It seems you missed entering your ingredient.

Please enter ingredient of your choice:

Oops! It seems you missed entering your ingredient.

Please enter ingredient of your choice:

Oops! It seems you missed entering your ingredient.

Please enter ingredient of your choice: 
```

- For the next step, if you enter an invalid input, tool will wait for you to enter a valid one

```
Terminal: Local (2) × Local × +
Please enter ingredient of your choice:

Oops! It seems you missed entering your ingredient.

Please enter ingredient of your choice: apple

Do you wish to add more ingredients? Enter (yes/y) to continue else (no/n):
Oops! It seems you mistyped something there, please reenter your choice

Do you wish to add more ingredients? Enter (yes/y) to continue else (no/n): nz
Oops! It seems you mistyped something there, please reenter your choice

Do you wish to add more ingredients? Enter (yes/y) to continue else (no/n): yes
Oops! It seems you mistyped something there, please reenter your choice

Do you wish to add more ingredients? Enter (yes/y) to continue else (no/n): 
```

- Similarly for the next step the tool will again wait for you to enter a valid input

```

Terminal: Local (2) × Local × +
|=====+=====|
| | apples          | 15-20 small apples (preferably organic), cored and quartered |
| |-----|-----|
| | cinnamon       | 1/2 t cinnamon |
| |-----|-----|
| | juice of lemon  | juice of 1 lemon |
| |-----|-----|
| | orange juice    | 1/4 c orange juice |
| |-----|-----|
| | vanilla         | 1-2 T vanilla |
| |-----|-----|
|-----|-----|

Did you like this recipe? Press (yes/y) if you did else (no/n) to see new recipes, else enter (exit/EXIT) anytime:
Oops! It seems you mistyped something there, please reenter your choice

Did you like this recipe? Press (yes/y) if you did else (no/n) to see new recipes, else enter (exit/EXIT) anytime:
Oops! It seems you mistyped something there, please reenter your choice

Did you like this recipe? Press (yes/y) if you did else (no/n) to see new recipes, else enter (exit/EXIT) anytime: abc
Oops! It seems you mistyped something there, please reenter your choice

Did you like this recipe? Press (yes/y) if you did else (no/n) to see new recipes, else enter (exit/EXIT) anytime:

```

- Press enter anytime you wish to exit!

```

Terminal: Local (2) x Local x +
| | orange juice | 1/4 c orange juice
| |-----+-----+
| | vanilla | 1-2 T vanilla
| |-----+-----+
+-----+-----+

Did you like this recipe? Press (yes/y) if you did else (no/n) to see new recipes, else enter (exit/EXIT) anytime:
Oops! It seems you mistyped something there, please reenter your choice

Did you like this recipe? Press (yes/y) if you did else (no/n) to see new recipes, else enter (exit/EXIT) anytime:
Oops! It seems you mistyped something there, please reenter your choice

Did you like this recipe? Press (yes/y) if you did else (no/n) to see new recipes, else enter (exit/EXIT) anytime: abc
Oops! It seems you mistyped something there, please reenter your choice

Did you like this recipe? Press (yes/y) if you did else (no/n) to see new recipes, else enter (exit/EXIT) anytime: exit

Your total shopping amount will be: 0.00$

Thank you for checking out our recipes and shopping with us. You checked 1 of our recipes and liked 0 of them.
We hope you'll come back to check more recipes, until then, Goodbye!!
(.venv) pratiktmhankar@Pratiks-MacBook-Pro SpoonacularCLI %

```

## Unit tests:

Tool is thoroughly unit tested for most of the major scenarios, which makes it a bit more robust

```
----- coverage: platform darwin, python 3.8.5-final-0 -----
Name                               Stmts  Miss  Cover
-----
SpoonacularCLI/__init__.py          0      0  100%
SpoonacularCLI/helpers/__init__.py  0      0  100%
SpoonacularCLI/helpers/generic_helpers.py  31      3   90%
SpoonacularCLI/settings/__init__.py  0      0  100%
SpoonacularCLI/spoonacular_client.py  94     26   72%
SpoonacularCLI/utls/__init__.py      0      0  100%
SpoonacularCLI/utls/authentication_handler.py  11      0  100%
SpoonacularCLI/utls/exception.py     10      0  100%
-----
TOTAL                               146     29   80%

===== 11 passed in 1.36s =====
```