# Cooking Papa - User Guide

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# 1. Introduction

Cooking Papa is an all-in-one, easy-to-use application that acts as a personalised cookbook, with **your** favourite recipes!

Cooking Papa aims to help university students who live alone. We aim to make learning how to cook more convenient, contributing to the variety of meals of these university students. With Cooking Papa, users can easily edit recipes, keep track of ingredients they currently have at home and have a shopping list that assists them in their grocery shopping process.

CookingPapa consists of 3 main features:

- **Cookbook**: Stores all your recipes, including the ingredients and steps for each recipe.
  Cookbook commands can be seen here: Section 3.1, "Cookbook Commands (by Chan Shun Jie)"
  Cookbook is supplemented with recipe commands, which can be seen here: Section 3.2, "Recipe Commands (by Goh Ka Hui)"

- **Inventory**: Stores all the stock of ingredients you currently have.
  Inventory commands can be seen here: Section 3.3, "Inventory Commands (by Ong Han Sheng)"

- **Cart**: Acts as a shopping list for ingredients you are missing for a recipe.
  Cart commands can be seen here: Section 3.4, "Cart Commands (by Tay Zi Hiang Willis)"

Do away with thick, confusing, and expensive cookbooks, and start cooking with Cooking Papa today!

# 2. Quick Start and use of application

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

2. Download the latest `cookingpapa.jar` here.

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

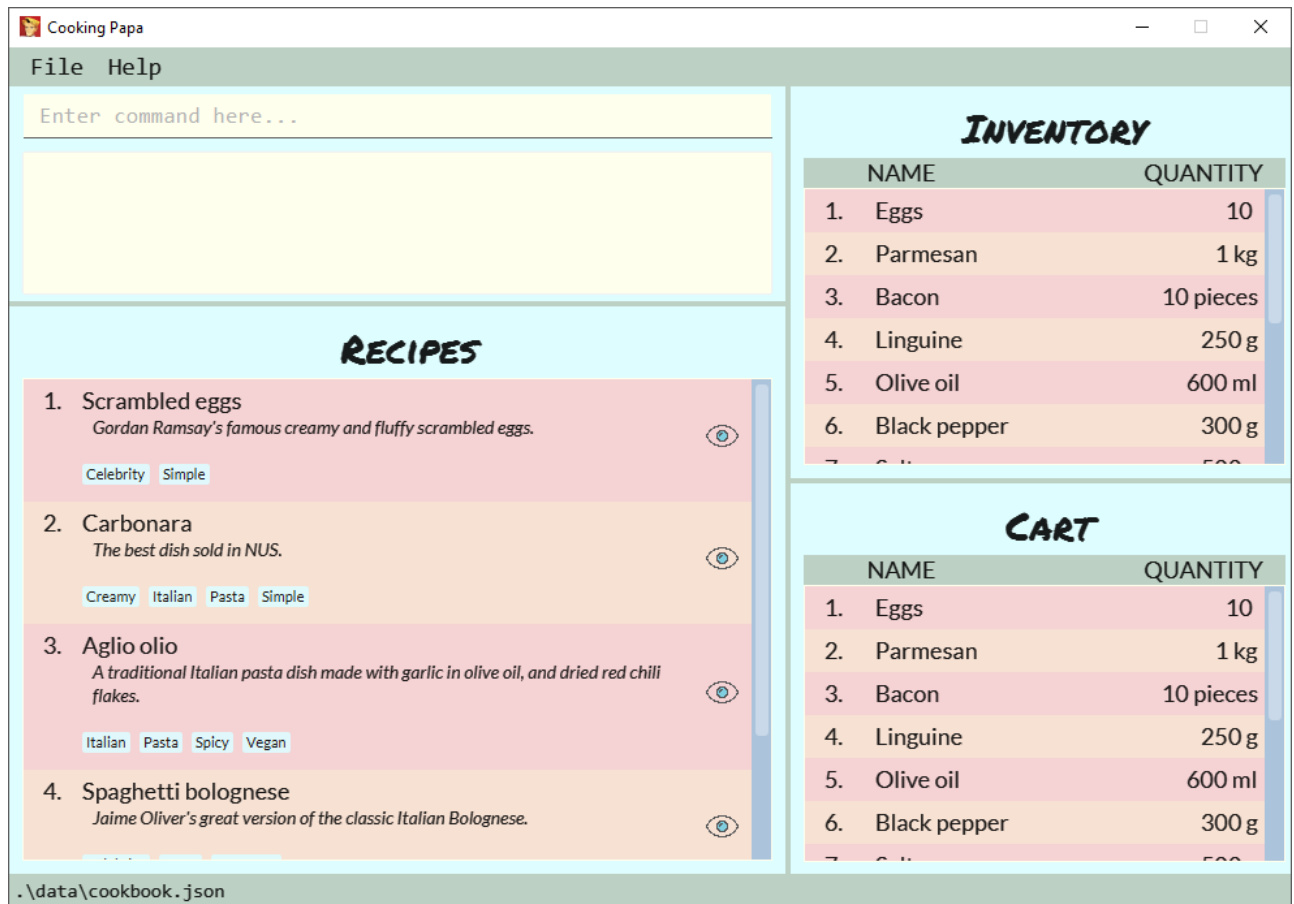4. Double-click the file to start the app. The GUI should appear in a few seconds.



*Figure 1. CookingPapa User Interface*

5. CookingPapa uses the **command window** for all of its commands. You can see a comprehensive view of all the commands given in Section 3, "Features".
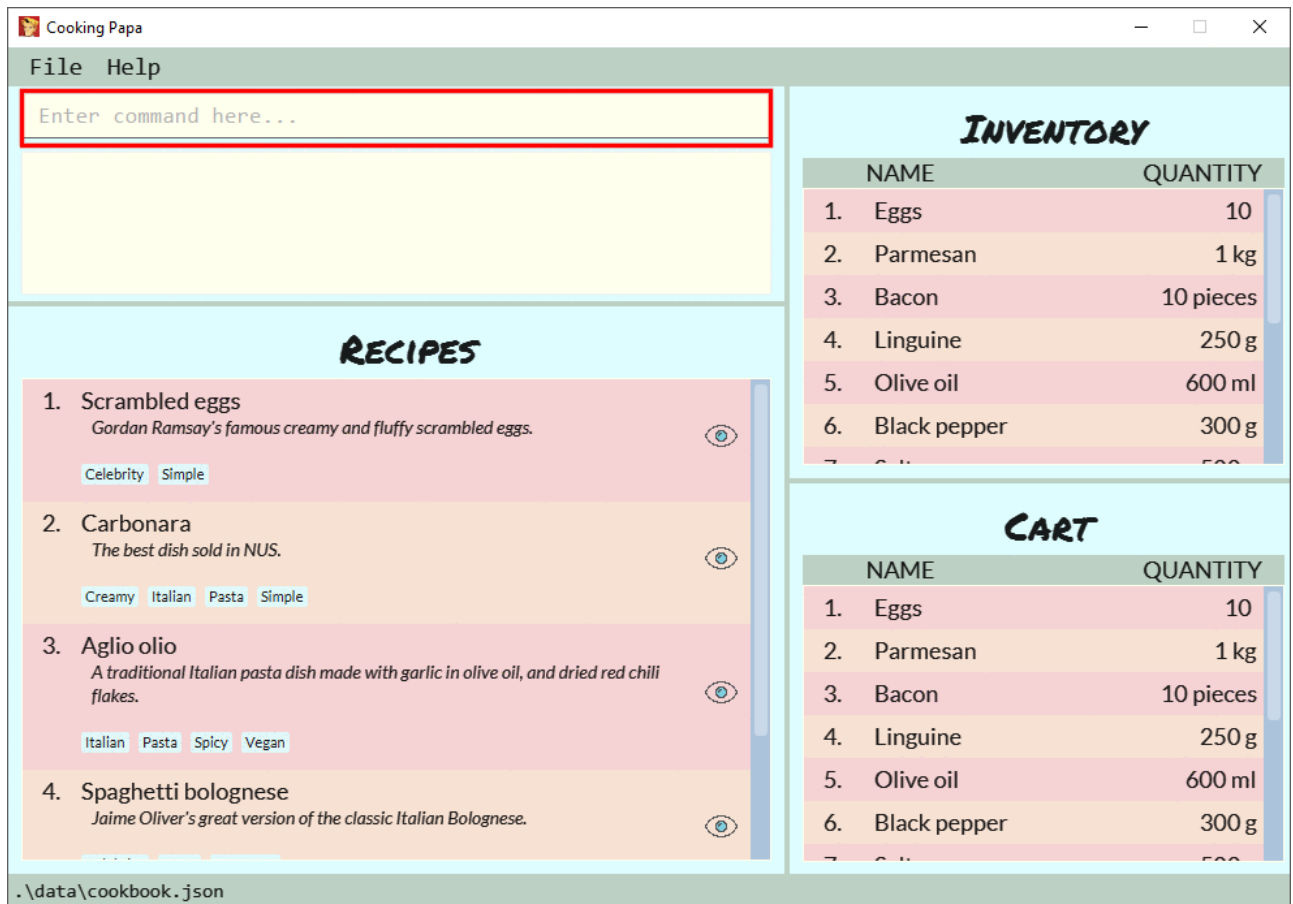
*Figure 2. Cooking Papa User Interface; marked: command window*

6.  Whenever a command is entered, feedback will be given in the **display window**, depending on the type of command given by the user.
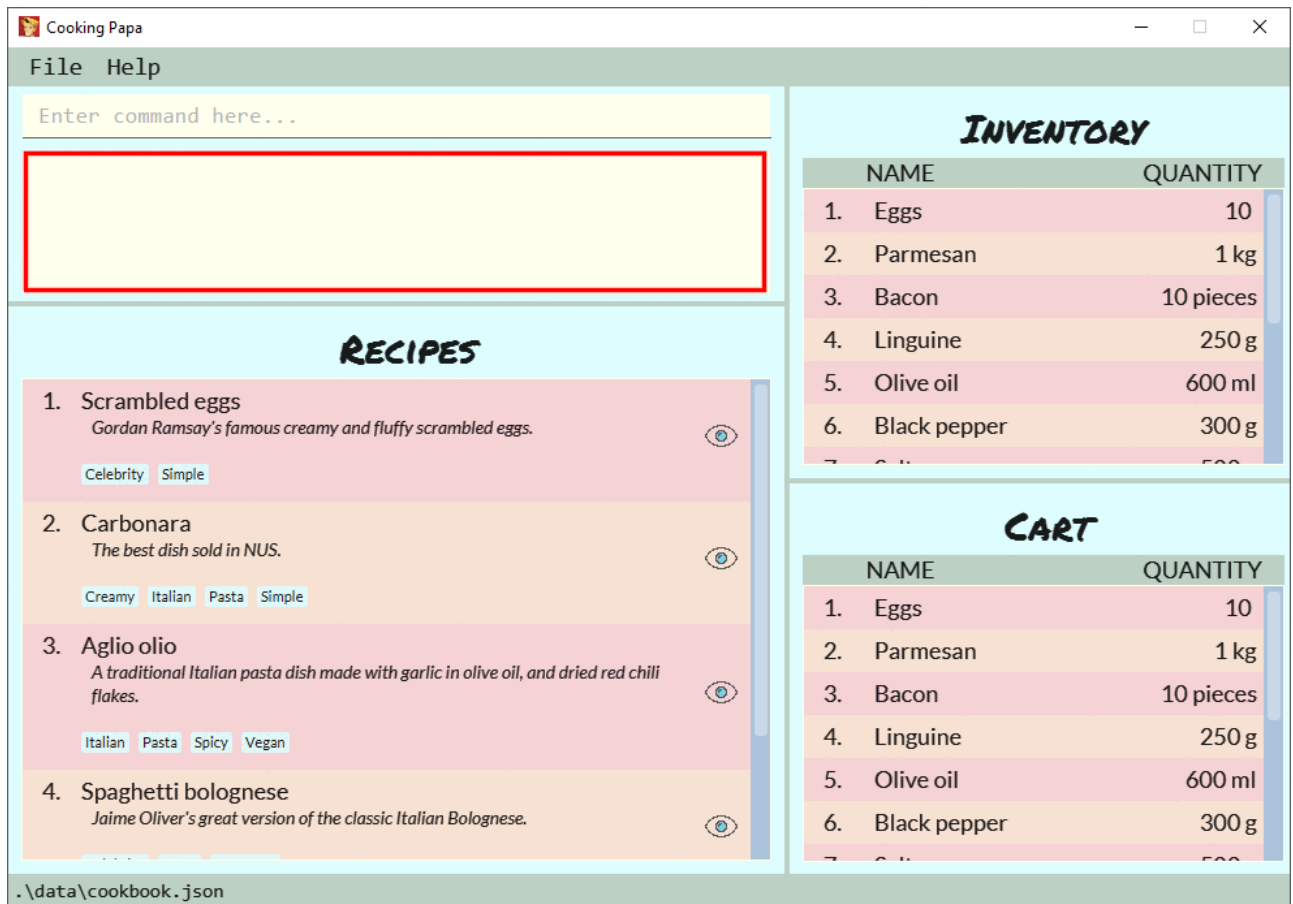
*Figure 3. Cooking Papa User Interface; marked: display window*

# 3. Features

Cooking Papa accepts the following command formats for its application. It is important to follow these guidelines for smooth usage of the application.

**Command Format**

- Words in `UPPER_CASE` are the parameters to be supplied by the user.
  (e.g. in `inventory add ingredient i/INGREDIENT`, `INGREDIENT` is a parameter which can be used as `inventory add ingredient i/Bacon q/10`).

- Words in square brackets are optional.
  (e.g in `cookbook add recipe n/NAME d/DESCRIPTION [i/INGREDIENT]⋯ [q/QUANTITY]⋯ [s/STEP]⋯ [t/TAG]⋯` can be used as `cookbook add recipe n/Cheesecake d/Delicious New York cheesecake t/Dessert` or as `cookbook add recipe n/Cheesecake d/Delicious New York cheesecake` as tags are optional).

- Words with ⋯ after them can be included multiple times.
  (e.g. `cookbook add recipe n/NAME d/DESCRIPTION [i/INGREDIENT]⋯ [q/QUANTITY]⋯ [s/STEP]⋯ [t/TAG]⋯` can be used to add multiple ingredients and its respective quantities in the same command: `cookbook add recipe n/Sandwich d/Delicious Sandwich i/Bread q/2 pieces i/Ham q/3 slices i/Cheese q/2 slices`).

- Parameters can be in any order.
  (e.g. if the command specifies `i/INGREDIENT q/QUANTITY`, `q/QUANTITY i/INGREDIENT` is a valid

command).

- Command and delimiter (eg. i/, q/) formats given in the lowercase are **case-sensitive**. (eg `cookbook` is given as all lowercase. `Cookbook` or `COOKBOOK` or `cOoKbOoK` are not valid.)

Additionally, parameters also cannot start with spaces. **Please follow the format given carefully for a seamless experience.**

A table of parameters and their associated constraints:

| Parameter type | Constraint |
| --- | --- |
| `INDEX`, `STEP_INDEX` | Must be a whole number. |
| `NAME`,`DESCRIPTION`, `STEP`, `INGREDIENT`, `KEYWORD` | Can contain alphabet letters, numbers, and spaces, as well as the symbols `'`, `-`, and `%`. |
| `QUANTITY` | Must start with a numerical value, which can contain decimal points or slashes to represent a fraction.<br><br>The value can be followed by an optional unit that only consists of alphabet letters, which may be separated by spaces.<br><br>A quarter cup of milk can be represented in a command as: `i/Milk q/1/4 cup`. |
| `TAG` | Can only contain alphabet letters and numbers. **No spaces are permitted**. |

# 3.1. Cookbook Commands (by Chan Shun Jie)

Cookbook commands are commands that allow users to add and remove recipes from the cookbook, as well as view recipes stored in the cookbook. More commands can be done with recipes, and are covered in Section 3.2, "Recipe Commands (by Goh Ka Hui)".

## 3.1.1. View a recipe from the cookbook

This command allows you to view a recipe, the ingredients required, and the steps to cook it.

- Format: `cookbook view recipe INDEX`
- Example:

| Command | Result |
|---|---|
| `cookbook view recipe 1` |  Note: you must have added a recipe to the cookbook, otherwise Cooking Papa will not be able to show you the details of the recipe. |

A recipe's details can also be viewed by pressing the "eye" icon, without the need to type in the command above:



### 3.1.2. Add a new recipe to the cookbook

This command allows you to add (and store) a new recipe with the provided recipe details to the cookbook.

- Format: `cookbook add recipe n/NAME d/DESCRIPTION [i/INGREDIENT]… [q/QUANTITY]… [s/STEP]… [t/TAG]…`
- Examples:

| Command | Result |
|---|---|
| `cookbook add recipe n/Bacon Carbonara d/Best cream pasta made in Italy` | Adds a recipe with only its name and description specified.<br><br>```<br>New recipe added: Bacon Carbonara<br>Description: Best cream pasta made in Italy<br>Ingredients:<br>Preparation Steps:<br>Tags:<br>``` |

| Command | Result |
|---|---|
| `cookbook add recipe n/Chicken Ham Sandwich d/Juicy ham sandwiched between crispy toasted bread. i/Chicken Ham q/1 slice i/White Bread q/2 slices s/Toast the bread s/Grill the ham. t/sandwich t/easy` | Adds a recipe with its name, description, ingredients, steps, and tags specified.<br><br>`New recipe (index 1) added: Chicken Ham Sandwich` |

Note: the number of ingredient names provided must be the same as the number of ingredient quantities provided, otherwise Cooking Papa will not be able to add the recipe.

### 3.1.3. Remove a recipe from the cookbook

This command allows you to remove a recipe of the specified index from the cookbook.

- Format: `cookbook remove recipe INDEX`

- Example:

| Command | Result |
|---|---|
| `cookbook remove recipe 1` | `Removed recipe: Bacon Carbonara from the cookbook`<br><br>Note: you must have added a recipe to the cookbook, otherwise Cooking Papa will not be able to remove the recipe. |

Note: you must have added a recipe to the cookbook, otherwise Cooking Papa will not be able to remove the recipe.

### 3.1.4. Search recipes by keyword

This command allows you to search for recipes by keywords, returning a list of recipes.

Note: Adding more keywords will not narrow the search results, but will expand the search results to return any recipe that contains any of the given keywords.

- Format: `cookbook search recipe k/KEYWORD…`

- Example:

| Command | Result |
|---|---|
| `cookbook search recipe k/Carbonara` | Searches the cookbook for recipes with names matching the keyword 'Carbonara'. |

| Command | Result |
| --- | --- |
| `cookbook search recipe k/Carbonara k/Simple k/Cheesy` | Searches the cookbook for recipes with names matching the keywords 'Carbonara', or `Simple`, or `Cheesy`. |

### 3.1.5. Search recipes by tag

This command allows you to search for recipes by tags, returning a list of recipes.

Note: Adding more tags will not narrow the search results, but will expand the search results to return any recipe that contains any of the given tags.

- Format: `cookbook search tag t/TAG…`
- Examples:

| Command | Result |
| --- | --- |
| `cookbook search tag t/Easy` | Searches the cookbook for recipes wisth tags matching 'Easy'. |
| `cookbook search tag t/Pasta t/Cream t/Easy` | Searches the cookbook for recipes with tags matching 'Pasta', or 'Cream', or 'Easy'. |

### 3.1.6. Search recipes by ingredients owned

This command allows you to see search for recipes you can cook with your current inventory of ingredients.

- Format: `cookbook search inventory`
- Example:

| Command | Result |
| --- | --- |
| `cookbook search inventory` | Searches the cookbook for recipes which ingredients are available in the inventory. |

### 3.1.7. List all recipes in the cookbook

This commands allows you to view the whole collection of recipes in the cookbook. Additionally, it can be used after using the search commands to view all the recipes.

- Format: `cookbook list`
- Example:

| Command | Result |
| --- | --- |
| `cookbook list` | Lists all recipes in the cookbook |

## 3.2. Recipe Commands (by Goh Ka Hui)

Recipe commands are commands that change an existing recipe, which can be indicated using the index of the recipe. Some things you can do are to add and remove ingredients from a recipe's ingredient list. You can also write preparation steps for your recipes.

### 3.2.1. Add an ingredient to a recipe

This command allows you to add ingredients to a recipe.

You can increase the quantity of an ingredient that is already in the recipe, provided that you indicate the same unit. Otherwise, Cooking Papa will not add the ingredient.

Note: you must have added a recipe to the cookbook, otherwise Cooking Papa will not be able to add an ingredient to the recipe.

- Format: `recipe INDEX add ingredient i/INGREDIENT q/QUANTITY`
- Examples:

| Command | Result |
|---|---|
| `recipe 1 add ingredient i/Eggs q/2` | Adds 2 eggs to the 1st recipe's list of ingredients. `New ingredient added for Scrambled eggs: 2 Eggs` |
| `recipe 2 add ingredient i/Milk q/200 ml` | Adds 200 ml of milk to the 2nd recipe's list of ingredients. `New ingredient added for Carbonara: 200 ml Milk` |

### 3.2.2. Remove an ingredient from a recipe

This command allows you to remove ingredients from a recipe.

You can indicate the quantity you want to remove for an ingredient, which should not be greater that than the ingredient's quantity. Please ensure that the unit of the quantity matches the ingredient's unit in the recipe. **If you do not indicate any quantity, the specified ingredient will be removed from the recipe entirely.**

Note: you must have added a recipe to the cookbook, otherwise Cooking Papa will not be able to remove an ingredient from the recipe.

- Format: `recipe INDEX remove ingredient i/INGREDIENT [q/QUANTITY]`
- Examples:

| Command | Result |
|---|---|
| `recipe 1 remove ingredient i/Eggs` | Removes all eggs from the list of ingredients in recipe 1. |

| Command | Result |
| --- | --- |
| `recipe 2 remove ingredient i/Milk q/200 ml` | Removes 200 ml of milk from the list of ingredients in recipe 2. *(If recipe 2 specifies 500 ml of milk, it will be subtracted and updated to 300 ml of milk.)* |

### 3.2.3. Add a preparation step to a recipe

This command allows you to add a preparation step to the selected recipe. Requires a valid index in the list of recipes and the cooking step. The STEP_INDEX given must be at most 1 more than the current number of steps currently in the recipe. (eg. If the number of steps in the current recipe you are trying to add to has 4 steps, the user can only add a STEP_INDEX of up to 5)

- Format: `recipe INDEX add step x/STEP_INDEX s/STEP_DESCRIPTION`
- Examples:

| Command | Result |
| --- | --- |
| `recipe 1 add step x/1 s/Bring the water to boil` | Adds a preparation step 1 (Bring water to boil) to recipe 1. |

### 3.2.4. Remove a preparation step from a recipe

This command allows you to remove a preparation step from the selected recipe. Requires a valid index in the list of recipes and the cooking step.

- Format: `recipe INDEX remove step x/STEP_INDEX`
- Example:

| Command | Result |
| --- | --- |
| `recipe 1 remove step x/2` | Removes preparation step 2 in recipe 1. |

### 3.2.5. Add a tag to a recipe

This command allows you to add a tag to the selected recipe. Requires a valid index in the list of recipes.

- Format: `recipe INDEX add tag t/TAG`
- Example:

| Command | Result |
| --- | --- |
| `recipe 1 add tag t/Pasta` | Adds a tag (Pasta) to the recipe 1. |

### 3.2.6. Remove a tag from a recipe

This command allows you to remove a tag from the selected recipe. Requires a valid index in the

list of recipes.

Note: you must have the tag you wish to remove in the selected recipe, otherwise Cooking Papa will not be able to remove the tag from the recipe.

- Format: `recipe INDEX remove tag t/TAG`
- Example:

| Command | Result |
|---|---|
| `recipe 1 remove tag t/Beef` | Removes the tag 'Beef' from the recipe 1. |

# 3.3. Inventory Commands (by Ong Han Sheng)

Inventory commands are commands that update the user's very own inventory at home. These commands include adding, remove and viewing the current inventory database.

## 3.3.1. Add an ingredient to the inventory

This commands allows you to add ingredients to your inventory. Ingredient names added are case-insensitive. Ingredient names such as 'Bacon' and 'bacon' will be recognised by CookingPapa as 'Bacon'.

- Format: `inventory add ingredient i/INGREDIENT q/QUANTITY`
- Examples:

| Command | Result |
|---|---|
| `inventory add ingredient i/Eggs q/10` | Adds 10 eggs into your inventory. |
| `inventory add ingredient i/Butter q/200g` | Adds 200g of butter into your inventory. |

## 3.3.2. Remove an ingredient from the inventory

This command allows you to remove ingredients from the inventory. You can indicate the quantity you want to remove for an ingredient, which should not be greater that than the ingredient's quantity. Please ensure that the unit of the quantity matches the ingredient's unit in the inventory.

Note: If you do not indicate any quantity, all entries in the inventory that have the specified ingredient name will be removed regardless of the unit.

- Format: `inventory remove ingredient i/INGREDIENT [q/QUANTITY]`
- Examples:

| Command | Result |
|---|---|
| `inventory remove ingredient i/Eggs` | Removes all eggs from your inventory. |

| Command | Result |
|---|---|
| `inventory remove ingredient i/Butter q/200g` | Removes 200g of butter from your inventory. *(If your inventory had 500 g of milk, it will be subtracted and updated to 300 g of butter)* |

### 3.3.3. Remove all ingredients from the inventory.

This command allows you to remove all ingredients from the inventory.

- Format: `inventory clear`
- Example:

| Parameters | Result |
|---|---|
| `inventory clear` | Removes all ingredients from the inventory |

## 3.4. Cart Commands (by Tay Zi Hiang Willis)

Cart commands are commands that allow you to easily add ingredients needed for a recipe into a shopping cart. This provides convenience for your grocery shopping needs.

### 3.4.1. Add ingredients in a recipe to the cart

This command allows you to add all the ingredients in a recipe to the cart.

- Format: `cart add recipe INDEX`
- Example:

| Command | Result |
|---|---|
| `cart add recipe 1` | Adds all the ingredients required of recipe 1 to the cart. |

### 3.4.2. Add ingredients to the cart

This command allows you to add ingredients to the cart.

- Format: `cart add ingredient i/INGREDIENT q/QUANTITY`
- Example:

| Command | Result |
|---|---|
| `cart add ingredient i/Eggs q/5` | Adds 5 eggs to the cart. |

### 3.4.3. Remove ingredients from the cart

This command allows you to remove ingredients from the cart. You can indicate the quantity you want to remove for an ingredient, which should not be greater that than the ingredient's quantity.

Please ensure that the unit of the quantity matches the ingredient's unit in the cart.

Note: If you do not indicate any quantity, all entries in the cart that have the specified ingredient name will be removed regardless of the unit.

- Format: `cart remove ingredient i/INGREDIENT [q/QUANTITY]`
- Example:

| Command | Result |
|---|---|
| `cart remove ingredient i/Eggs` | Removes all eggs from the cart |
| `cart remove i/Milk q/200ml` | Removes 200ml of milk from the cart. *(If your cart had 500 ml of milk, it will be subtracted and updated to 300 ml of milk)* |

### 3.4.4. Clear all the items in the cart

This command allows you to clear all the items in the cart. It can be used to discard an unwanted cart, or to clear the cart after completing the purchase.

- Format: `cart clear`
- Example:

| Command | Result |
|---|---|
| `cart clear` | Clears the cart of all items. |

### 3.4.5. Move all ingredients currently in the cart to inventory

This command allows you to move all the ingredients from the cart into your inventory. This command also empties your cart. This is helpful after the user has finished shopping and wish to conveniently move all the ingredients to the inventory.

- Format: `cart move`
- Example:
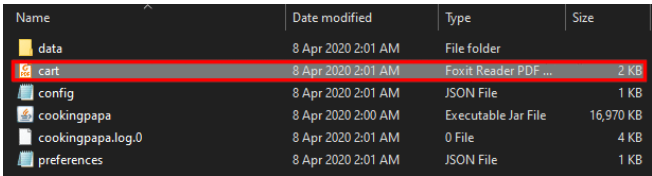
| Command | Result |
|---|---|
| `cart move` | Moves all ingredients from the cart into the inventory. Also clears the cart of all items. |

### 3.4.6. Export ingredients in cart to PDF file

This command allows you to export all the ingredients in the cart to a PDF file. The PDF file will be located in the same folder as Cooking Papa.

Note: if a previous version of the PDF file, `cart.pdf` is open in another program (Internet browser, Adobe PDF), Cooking Papa will not be able to export the cart.

- Format: `cart export`

| Command | Result |
|---|---|
| `cart export` |  *The exported PDF file will be in the same folder where Cooking Papa is located.*  *An example of the PDF file exported from the sample cart in Cooking Papa.* |

## 3.5. Help command (by Teo Jun Xiong)

This command shows a popup window with a URL to Cooking Papa's user guide (what you are reading now). This is for access should you need some help executing a certain action in Cooking Papa.

There are 2 ways a user can access the help window:

- Type `help`.

- Click on the `Help` button on the top left corner of Cooking Papa, and then click on the `Help` button in the dropdown menu. You can then click the `Copy URL` button which can then be pasted into a web browser to access Cooking Papa's user guide.

*Figure 4. Cooking Papa 'Help' button to access the Help window*
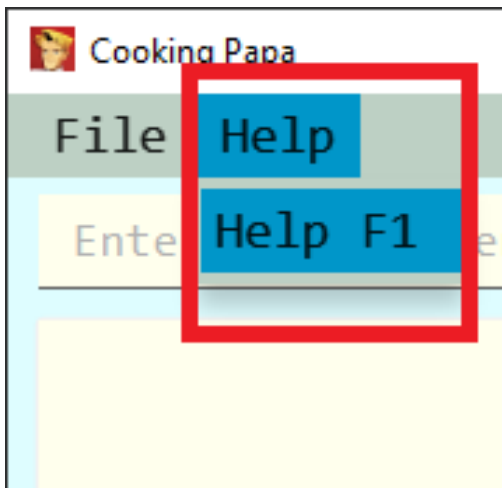


*Figure 5. Cooking Papa Help window and 'Copy URL' button*

## 3.6. Exit command (by Chan Shun Jie)

There are 3 ways a user can exit Cooking Papa:

- Type `exit`.

- Click on the `x` button on the top right corner of the Cooking Papa.

- Click on the `File` button on the top left corner of Cooking Papa, and then click on the `Exit` button in the dropdown menu.
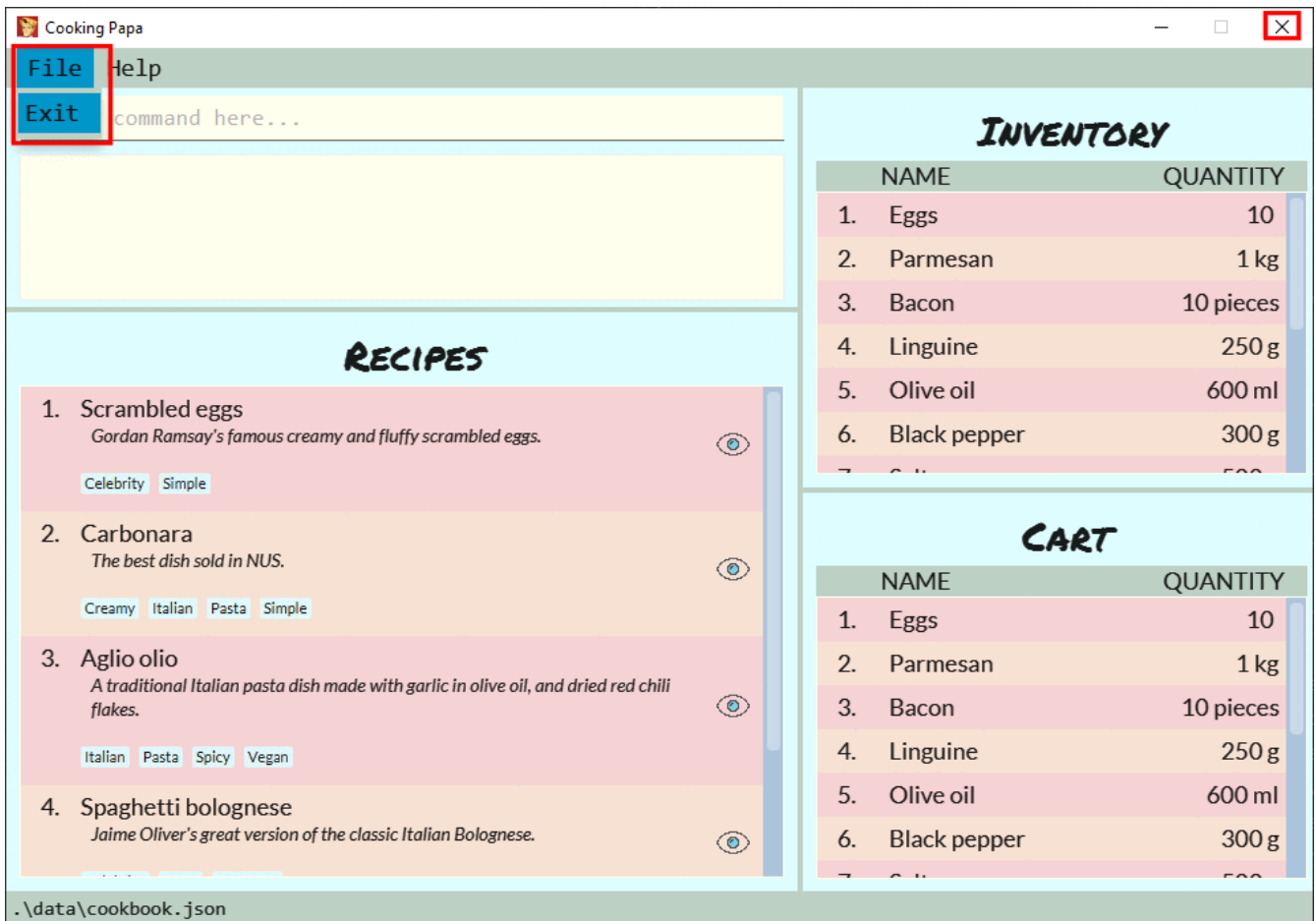
*Figure 6. Cooking Papa 'X' button to exit the application.*

# 3.7. Edit recipe details [v2.0] (by Goh Ka Hui)

The following commands allow you to edit the details of the recipes that are currently in the cookbook.

## 3.7.1. Edit an ingredient in a recipe

If you want to change the quantity of an ingredient after some experimentation, this command will help you achieve that.

- Format: `recipe INDEX edit i/INGREDIENT q/QUANTITY`
- Examples:

| Parameters | Result |
| --- | --- |
| `recipe 1 edit i/Egg q/2` | Changes the quantity of eggs to 3 in the 1st recipe's list of ingredients. |
| `recipe 2 edit i/Milk q/100 ml` | Changes the quantity of milk to 100 ml in the 2nd recipe's list of ingredients. |

## 3.7.2. Edit a preparation step in a recipe

This command allows you to edit a preparation step from the selected recipe. Requires a valid

index in the list of recipes and the cooking step

- Format: `recipe INDEX edit step x/STEP_INDEX s/STEP_DESCRIPTION`
- Example:

| Parameters | Result |
|---|---|
| `recipe 1 edit step x/2 s/Fry the eggs` | Changes preparation step 2 to 'Fry the eggs' in recipe 1 |

# 3.8. Calendar Commands [v2.0] (by Teo Jun Xiong)

Calendar commands are commands that allow you to set date-related commands, such as reminders and recipe of the day

### 3.8.1. Add a recipe to cook on a certain day

Reminds the user to cook a certain recipe on a certain day

- Format: `calendar set DD-MM-YYYY cook recipe INDEX`
- Example:

| Parameters | Result |
|---|---|
| `calendar set 10-10-2010 cook recipe 1` | Adds recipe 1 to your calendar to cook |

### 3.8.2. View recipes to cook on a certain day

User can view the recipes they were supposed to cook on a certain day. The date input can be replaced with 'today' for the current date.

- Format: `calendar view recipes DD-MM-YYYY`
- Example:

| Parameters | Result |
|---|---|
| `calendar view recipes 10-10-2010` | Shows the recipes scheduled to cook on 10th October 2010. |
| `calendar view recipes today` | Shows the recipes scheduled to cook on the current day of use. |

# 3.9. Recipe of the day generator [v2.0] (by Ong Han Sheng)

CookingPapa can generate a recipe of the day to cook based on the recipes currently in the cookbook.

- Format: `generate recipe of the day`

- Example:

| Parameters | Result |
|---|---|
| `generate recipe of the day` | Displays the recipe of the day |

# 4. FAQ (by Teo Jun Xiong)

**Q**: How do I transfer my data to another Computer?
**A**: Install the app in the other computer and overwrite the empty data file it creates with the file that contains the data of your previous CookingPapa folder.

**Q**: Where can I install the latest version of CookingPapa?
**A**: You can find the latest releases at: https://github.com/AY1920S2-CS2103T-F11-4/main/releases. You only have to download the latest version of CookingPapa.jar

**Q**: Do I need to be connected to the internet to access this application?
**A**: All information is stored locally in your own computer. No internet connection is required.

**Q**: Something is not working as expected. Who can I contact?
**A**: You may report your bugs to: https://github.com/AY1920S2-CS2103T-F11-4/main/issues. Bug reports are highly appreciated!

**Q**: Is this application free?
**A**: Yes! This application is open-source under the MIT license. You may feel free to modify, contribute and share this application with any community!

# 5. Command Summary (by Tay Zi Hiang Willis)

| Category | Addtional Parameters | Result |
|---|---|---|
| cookbook | `view recipe INDEX` | Shows recipe at given INDEX. |
| | `add recipe n/NAME d/DESCRIPTION` | Adds a new empty recipe with the given NAME and DESCRIPTION. |
| | `add recipe n/NAME d/DESCRIPTION [i/INGREDIENT] [q/QUANTITY] [s/STEP] [t/TAG]` | Adds a new recipe with the given NAME and DESCRIPTION. INGREDIENT and its QUANTITY, STEP, and TAG are optional parameters and will be added according to input from user. |
| | `remove recipe INDEX` | Remove recipe at given INDEX. |
| | `search recipe k/KEYWORD` | Search for recipes by a keyword. |
| | `search recipe t/TAG` | Search for recipes by tags. |
| | `search recipe inventory` | Search for recipes whose ingredients are available in the inventory. |
| | `list` | Views the whole collection of recipes in the cookbook. |
| recipe | `INDEX add ingredient i/INGREDIENT q/QUANTITY` | Add ingredients to a recipe at given INDEX. |
| | `INDEX remove ingredient i/INGREDIENT q/QUANTITY` | Removes the ingredient and the specified quantity from recipe at given INDEX. |
| | `INDEX add step x/STEP_INDEX s/STEP_DESCRIPTION` | Adds a step at STEP_INDEX with STEP_DESCRIPTION to the recipe at given INDEX. |
| | `INDEX remove step x/STEP_INDEX` | Remove a step at STEP_INDEX from the recipe at given INDEX. |
| | `INDEX add tag t/TAG` | Adds a tag 'TAG' to the recipe at given INDEX. |
| | `INDEX remove tag t/TAG` | Removes a tag 'TAG' to the recipe at given INDEX. |
| inventory | `add ingredient i/INGREDIENT q/QUANTITY` | Adds QUANTITY of INGREDIENTS into your inventory. |
| | `remove ingredient i/INGREDIENT q/QUANTITY` | Removes QUANTITY of INGREDIENTS from your inventory. |
| | `clear` | Removes all ingredients from the inventory. |

| Category | Addtional Parameters | Result |
| --- | --- | --- |
| cart | add recipe INDEX | Adds all ingredients required of recipe at given INDEX to the cart. |
| | add ingredient i/INGREDIENT q/QUANTITY | Adds QUANTITY of INGREDIENTS into your cart. |
| | remove ingredient i/INGREDIENT q/QUANTITY | Removes QUANTITY of INGREDIENTS from your cart. |
| | clear | Clears the cart of all ingredients. |
| | move | Moves all the ingredients from the cart to the inventory, clearing the cart in the process. |