The Cooking Manual

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**Project Summary**

This project will be a cookbook of sorts where it will allow the user to input recipes with the use of text fields then store those recipes within an external file as text variables. Once the user inputs the recipe of their choice they can give it a name and once named the recipe will be able to be called upon by name with a search function which will print out the details and instructions on how to make said recipe onto an application window showing the steps one by one.

**Project Background**

In cooking there are hundreds of thousands of recipes to choose from and once you find one you like you’ll most likely write it down or bookmark the page/link where it was found. Doing this is very time consuming and after awhile you end up with hundreds of index cards filled with recipe requirements and instructions. While this may seem to be a good idea sometimes you need to tweak the recipe a little bit but didn’t write it down. With this software I am aiming to diminish the amount of work it takes to save and find recipes you wish to reuse over and over. By doing so it will get rid of the clutter of bookmarked links or individual note cards scattered about.

**IPOS Requirements**

The data inputs of this software will be managed through multiple JTextFields sending the raw data into a text file which will be created after the save recipe JButton has been pressed. Once saved the data will get a variable name (the title of the recipe the user inputs) while being stored within the text file so it will be easily accessible once called upon when the user uses a separate JTextField on a different JPanel. Once called upon the data will print into multiple JLabels which will be within an ArrayList to produce as many JLabels that is needed ensuring the data prints out all information correctly and in the right order. There will also be a clear button on the bottom of the JPanel to allow the user to clear the current recipe being used and pull up another one within the library.

**Conclusion**

When in the kitchen the worst thing to do is having to flip through a recipe book or having to hunt online for that one recipe that you had made that one night two weeks ago. With this software it will not only save time by being able to quickly search for recipes, but it will also overtime produce a library for your recipes making them easily accessible for the user. This software can be used in many ways you can input any recipe the user wishes for example the user can input various cooking, baking, and even grilling recipes all of which will be stored within the software. With this there will no longer be the need to bookmark and write down recipes you wish to reproduce allowing a quick and painless time in the kitchen.

**Glossary**

ArrayList:

The ArrayList class extends AbstractList and implements the List interface. ArrayList supports dynamic arrays that can grow as needed.

JButton:

A JButton generally represents a button that, when clicked by the user, carries out a particular action.

JLabels:

A JLabel object provides text instructions or information on a GUI — display a single line of read-only text, an image or both text and image.

JPanel:

JPanel is a Swing's lightweight container which is used to group a set of components together.

JTextFields:

A JTextField is a box that contains a line of text. The user can type text into the box and the program can get it and then use it as data.

Bookmarked:

record the address of (a website, file, etc.) to enable quick access in future.

Software:

the programs and other operating information used by a computer.

text variables:

A text variable is an item you insert in your document that varies according to the context.

**References**

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