Exercise 1.7: Finalizing Your Python Program

Learning Goals

- Interact with a database using an object-relational mapper
- Build your final command-line Recipe application

Reflection Questions

1. What is an Object Relational Mapper and what are the advantages of using one?
   ORM makes database conversion much easier, especially when moving from one DBMS to another. An ORM converts the contents and structure of the database into classes and objects that can be interacted with directly. So we don't have to connect to MySQL and use SQL syntax anymore.

2. By this point, you've finished creating your Recipe app. How did it go? What's something in the app that you did well with? If you were to start over, what's something about your app that you would change or improve?
   I'm happy for the fact that the app is working well. But if I start over, I will probably work on having a cleaner code, reducing the repeated codes and potentially more error handling.

3. Imagine you're at a job interview. You're asked what experience you have creating an app using Python. Taking your work for this Achievement as an example, draft how you would respond to this question.
   I have developed a recipe app using Python. In this project with the use of object-oriented programming and relational object mapper, I built an app that shows the users a menu to choose from to create, edit, delete a recipe.

4. You've finished Achievement 1! Before moving on to Achievement 2, take a moment to reflect on your learning in the course so far:
   a. What went well during this Achievement?
      I learned so much about subjects that I didn't know about. Learned more about error handling.
   b. What's something you're proud of?
      I'm proud of being able to get this far and implement and improve upon what I've learned.
   c. What was the most challenging aspect of this Achievement?
      The most challenging aspect for me is code optimization, to reduce redundancy in my code and try to catch all the errors with proper error handling methods.
   d. Did this Achievement meet your expectations? Did it give you the confidence to start working with your new Python skills?
      Yes, it gave me more confidence to code for the back-end development.
   e. What's something you want to keep in mind to help you do your best in Achievement 2?
      There is still a lot to learn, and I want to use the skills I learned in this achievement to implement and practice them in achievement 2.

Well done—you've now completed the Learning Journal for Achievement 1. As you'll have seen, a little metacognition can go a long way!