```
(cf-python-base) → python-recipe-app git:(master) ✗ ipython exercise_1.7/recipe_app.py
/Users/sarahjenkins/Dropbox/Coding/Python Specialization/python-recipe-app/exercise_1.7/
recipe_app.py:6: MovedIn20Warning: The ``declarative_base()`` function is now available
as sqlalchemy.orm.declarative_base(). (deprecated since: 2.0) (Background on SQLAlchemy
2.0 at: https://sqlalche.me/e/b8d9)
  Base = declarative_base()
===============================
Main Menu
-------------------------------
What would you like to do? Pick an option:

        1. Create a new recipe.
        2. Search for recipes that match an ingredient.
        3. Update an existing recipe.
        4. Delete a recipe.
        5. View all recipes.

Type 'quit' to exit the program.

Enter your choice here: 1


===============================
Create a New Recipe
-------------------------------
Enter the name of your recipe: Chocolate Cake
Enter the number of ingredients in your recipe: 6
        Enter an ingredient: flour
        Enter an ingredient: sugar
        Enter an ingredient: cocoa powder
        Enter an ingredient: ground coffee
        Enter an ingredient: eggs
        Enter an ingredient: frosting
Enter how long your recipe will take to make in minutes: 80
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Main Menu
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What would you like to do? Pick an option:

        1. Create a new recipe.
        2. Search for recipes that match an ingredient.
        3. Update an existing recipe.
        4. Delete a recipe.
        5. View all recipes.

Type 'quit' to exit the program.

Enter your choice here: 2
============================
All Ingredients
-------------------------------
1. tea leaves
2. sugar
3. water
4. milk
5. ground coffee
6. brownie mix
7. oil
8. eggs
9. tortilla
10. peppers
11. cheese
12. salt
13. bacon
14. potatoes
15. flour
16. cocoa powder
17. frosting

Select the number of one or more ingredients you'd like to search in recipes (separate n
umbers by a space): 2
```

```
The following recipes include your selected ingredients:

Tea
Recipe ID: 1
Ingredients: tea leaves, sugar, water
Cooking time: 3 minutes
Difficulty: Easy

Milk Tea
Recipe ID: 2
Ingredients: tea leaves, sugar, water, milk
Cooking time: 3 minutes
Difficulty: Easy

Chocolate Cake
Recipe ID: 7
Ingredients: flour, sugar, cocoa powder, ground coffee, eggs, frosting
Cooking time: 80 minutes
Difficulty: Hard
```

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===============================
Main Menu
---------------------------------
What would you like to do? Pick an option:

        1. Create a new recipe.
        2. Search for recipes that match an ingredient.
        3. Update an existing recipe.
        4. Delete a recipe.
        5. View all recipes.

Type 'quit' to exit the program.

Enter your choice here: 2
===============================
All Ingredients
---------------------------------
1. tea leaves
2. sugar
3. water
4. milk
5. ground coffee
6. brownie mix
7. oil
8. eggs
9. tortilla
10. peppers
11. cheese
12. salt
13. bacon
14. potatoes
15. flour
16. cocoa powder
17. frosting

Select the number of one or more ingredients you'd like to search in recipes (separate n
umbers by a space): 3 4
```

```
The following recipes include your selected ingredients:

Milk Tea
Recipe ID: 2
Ingredients: tea leaves, sugar, water, milk
Cooking time: 3 minutes
Difficulty: Easy

Coffee
Recipe ID: 3
Ingredients: ground coffee, water, milk
Cooking time: 8 minutes
Difficulty: Easy
```

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Main Menu
--------------------------------
What would you like to do? Pick an option:

        1. Create a new recipe.
        2. Search for recipes that match an ingredient.
        3. Update an existing recipe.
        4. Delete a recipe.
        5. View all recipes.

Type 'quit' to exit the program.

Enter your choice here: 3
================================
Edit a Recipe
--------------------------------
Your recipes:

        Recipe ID: 1
        Recipe name: Tea

        Recipe ID: 2
        Recipe name: Milk Tea

        Recipe ID: 3
        Recipe name: Coffee

        Recipe ID: 5
        Recipe name: Brownies

        Recipe ID: 6
        Recipe name: Breakfast Burrito

        Recipe ID: 7
        Recipe name: Chocolate Cake

Enter a recipe's ID to choose a recipe to edit: 7
```

```
You have selected the following recipe to edit:

        1. Name: Chocolate Cake

        2. Ingredients: flour, sugar, cocoa powder, ground coffee, eggs, frosting

        3. Cooking Time: 80 minutes

Choose which part of the recipe you want to edit by entering the corresponding number li
sted above: 2
List the recipe's ingredients, separated by commas: flour, sugar, cocoa powder, ground c
offee, eggs, baking soda, frosting

Your recipe's ingredients have been updated: flour, sugar, cocoa powder, ground  coffee,
 eggs, baking soda, frosting
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Main Menu
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What would you like to do? Pick an option:

        1. Create a new recipe.
        2. Search for recipes that match an ingredient.
        3. Update an existing recipe.
        4. Delete a recipe.
        5. View all recipes.

Type 'quit' to exit the program.

Enter your choice here: 4
============================
Delete a Recipe
--------------------------------
Your recipes:

        Recipe ID: 1
        Recipe name: Tea

        Recipe ID: 2
        Recipe name: Milk Tea

        Recipe ID: 3
        Recipe name: Coffee

        Recipe ID: 5
        Recipe name: Brownies

        Recipe ID: 6
        Recipe name: Breakfast Burrito

        Recipe ID: 7
        Recipe name: Chocolate Cake
```

```
Enter the ID of the recipe you want to delete: 2
You have chosen to delete Milk Tea

Are you sure you want to delete this recipe (enter yes or no)? yes

Your recipe has been deleted.
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Main Menu
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What would you like to do? Pick an option:

        1. Create a new recipe.
        2. Search for recipes that match an ingredient.
        3. Update an existing recipe.
        4. Delete a recipe.
        5. View all recipes.

Type 'quit' to exit the program.

Enter your choice here: 5
==============================
All Recipes
------------------------------

Tea
Recipe ID: 1
Ingredients: tea leaves, sugar, water
Cooking time: 3 minutes
Difficulty: Easy

Coffee
Recipe ID: 3
Ingredients: ground coffee, water, milk
Cooking time: 8 minutes
Difficulty: Easy

Brownies
Recipe ID: 5
Ingredients: brownie mix, oil, eggs, water
Cooking time: 75 minutes
Difficulty: Hard

Breakfast Burrito
Recipe ID: 6
Ingredients: tortilla, eggs, peppers, cheese, salt, bacon, potatoes
Cooking time: 45 minutes
Difficulty: Hard
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```
Chocolate Cake
Recipe ID: 7
Ingredients: flour, sugar, cocoa powder, ground  coffee, eggs, baking soda, frosting
Cooking time: 80 minutes
Difficulty: Hard
============================
Main Menu
--------------------------------
What would you like to do? Pick an option:


        1. Create a new recipe.
        2. Search for recipes that match an ingredient.
        3. Update an existing recipe.
        4. Delete a recipe.
        5. View all recipes.


Type 'quit' to exit the program.


Enter your choice here: quit
Goodbye!
(cf-python-base) → python-recipe-app git:(master) ✗
```