

Below is a comprehensive list of test cases designed to verify the correctness and reliability of the Pizza Ordering System.

1. Load All Dataset Files Successfully

The screenshot shows a Python development environment with the following details:

- EXPLORER:** Shows the project structure under "HW5_PIZZA_MANAGEMENT".
 - business_layer
 - Class Diagrams
 - data_layer
 - Dataset
 - customizable_ingredients.csv
 - ingredient_inventory.csv
 - pizza_dataset.csv
 - side_dish_menu.csv
 - standard_menu.csv
 - Documentation.pdf
 - main_app.py
- TERMINAL:** Displays the execution of the application and its output:

```
anishkhadka@Anishs-MacBook-Pro HW5_Pizza_Management % /usr/local/bin/python3 /Users/anishkhadka/Desktop/SFBU/cs500_0_OPD_Python/HW5_Pizza_Management/main_app.py
Inventory check complete. All ingredients loaded.
Pizza recipe catalog synchronized.
Standard fixed menu successfully retrieved.
Custom build ingredients are ready.
Side dish menu successfully configured.

=====PIZZA MANAGEMENT SYSTEM=====
1. Process Customer Order
2. Display House Menu Options
3. Start Create Your Own Pizza
4. Show Side Dish Menu
5. Create New Pizza Recipe
6. Update Existing Recipe Details
7. Remove Recipe from Catalog
8. Lookup Recipe by Term
9. Review Recipe Categories
10. View Kitchen Stock
11. close Application

Enter your function number (1-11):
```
- STATUS:** Shows the current status of the workspace.

2. Process Customer Order

```
main_app.py > PizzaStoreApp
1 # HW5 Pizza Management System
2 # Anish Khadka, 164017
3 # Samir Ghimire, 164061
4 # CS 500 - Object Oriented Programming in Python
5 from colorama import Fore, Style, init
6
7 from business_layer.ingredient_manager import IngredientManager
8 from business_layer.pizza_manager import PizzaManager

anishkhadka@Anishs-MacBook-Pro HW5_Pizza_Management % /usr/local/bin/python3 /Users/anishkhadka/Desktop/SFBU/cs500_0
OPD_Python/HW5_Pizza_Management/main_app.py
2. Chicken Wings - $0.00
3. Chicken Nuggets - $6.50
4. Chocolate Chip Cookie - $0.00
5. Oreo Bites - $7.50
6. Chicken Pasta - $9.50
Enter number of extra item to purchase (0 to finish order preparation): 1
Extra item recorded: Jalapeno Poppers

Side Dishes and Extras Available:
1. Jalapeno Poppers - $5.50
2. Chicken Wings - $0.00
3. Chicken Nuggets - $6.50
4. Chocolate Chip Cookie - $0.00
5. Oreo Bites - $7.50
6. Chicken Pasta - $9.50
Enter number of extra item to purchase (0 to finish order preparation): 0

--- FINAL ORDER RECEIPT ---
** Fixed Pizzas **
- Meat Lovers : $19.99

** Sides & Extras **
- Jalapeno Poppers : $5.50

GRAND TOTAL PAYABLE: $25.49
Order successfully completed and logged.

=====PIZZA MANAGEMENT SYSTEM=====
1. Process Customer Order
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6. Update Existing Recipe Details
7. Remove Recipe from Catalog
8. Lookup Recipe by Term
9. Review Recipe Categories
10. View Kitchen Stock
11. close Application
Enter your function number (1-11):
```

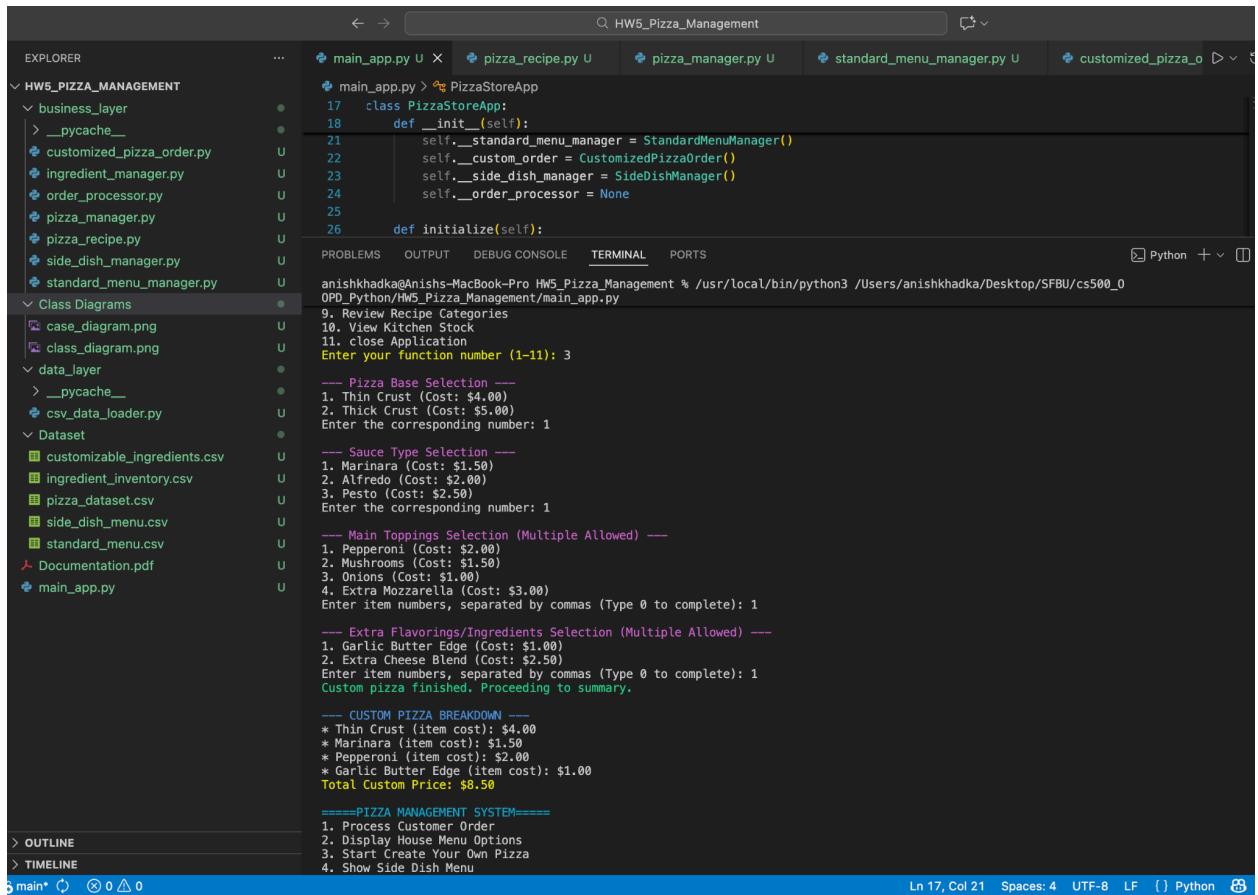
Ln 17, Col 21 Spaces: 4 UTF-8 LF {} Python

3. Display House Menu Option

```
main_app.py > PizzaStoreApp
1 # HW5 Pizza Management System
2 # Anish Khadka, 164017
3 # Samir Ghimire, 164061
4 # CS 500 - Object Oriented Programming in Python
5 from colorama import Fore, Style, init
6
7 from business_layer.ingredient_manager import IngredientManager
8 from business_layer.pizza_manager import PizzaManager
anishkhadka@Anishs-MacBook-Pro:~/HW5_Pizza_Management% /usr/local/bin/python3 /Users/anishkhadka/Desktop/SFBU/cs500_0
OPD_Python/HW5_Pizza_Management/main_app.py
8. Lookup Recipe by Term
9. Review Recipe Categories
10. View Kitchen Stock
11. close Application
Enter your function number (1-11): 2
--- House Specialty Pizzas ---
Item Name: Combination
Details: Pepperoni, sausage, mushrooms, green peppers, and black olives on a classic tomato base
Price Tag: $19.99
Item Name: Meat Lovers
Details: Pepperoni, sausage, ham, bacon, and extra cheese on a robust tomato base
Price Tag: $19.99
Item Name: Garden Fresh
Details: A vegetarian delight with bell peppers, onions, tomatoes, black olives, and fresh mushrooms
Price Tag: $17.99
Item Name: BBQ Chicken
Details: Tangy BBQ sauce base topped with grilled chicken, red onions, and mozzarella
Price Tag: $16.99
Item Name: Hawaiian
Details: Classic pairing of ham, pineapple chunks, and extra cheese on a tomato base
Price Tag: $15.99
=====PIZZA MANAGEMENT SYSTEM=====
1. Process Customer Order
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6. Update Existing Recipe Details
7. Remove Recipe from Catalog
8. Lookup Recipe by Term
9. Review Recipe Categories
10. View Kitchen Stock
11. close Application
Enter your function number (1-11):
```

Ln 17, Col 21 Spaces: 4 UTF-8 LF {} Python

4. Start Creating your own pizza



```

main_app.py > PizzaStoreApp
17  class PizzaStoreApp:
18      def __init__(self):
19          self.__standard_menu_manager = StandardMenuManager()
20          self.__custom_order = CustomizedPizzaOrder()
21          self.__side_dish_manager = SideDishManager()
22          self.__order_processor = None
23
24      def initialize(self):
25
26
anishkhadka@Anishs-MacBook-Pro HW5_Pizza_Management % /usr/local/bin/python3 /Users/anishkhadka/Desktop/SFBU/cs500_0
OPD_Python/HW5_Pizza_Management/main_app.py
9. Review Recipe Categories
10. View Kitchen Stock
11. close Application
Enter your function number (1-11): 3
--- Pizza Base Selection ---
1. Thin Crust (Cost: $4.00)
2. Thick Crust (Cost: $5.00)
Enter the corresponding number: 1
--- Sauce Type Selection ---
1. Marinara (Cost: $1.50)
2. Alfredo (Cost: $2.00)
3. Pesto (Cost: $2.50)
Enter the corresponding number: 1
--- Main Toppings Selection (Multiple Allowed) ---
1. Pepperoni (Cost: $2.00)
2. Mushrooms (Cost: $1.50)
3. Onions (Cost: $1.00)
4. Extra Mozzarella (Cost: $3.00)
Enter item numbers, separated by commas (Type 0 to complete): 1
Custom pizza finished. Proceeding to summary.
--- CUSTOM PIZZA BREAKDOWN ---
* Thin Crust (item cost): $4.00
* Marinara (item cost): $1.50
* Pepperoni (item cost): $2.00
* Garlic Butter Edge (item cost): $1.00
Total Custom Price: $8.50
=====PIZZA MANAGEMENT SYSTEM=====
1. Process Customer Order
2. Display House Menu Options
3. Start Create Your Own Pizza
4. Show Side Dish Menu

```

The screenshot shows a Python IDE interface with several files listed in the Explorer panel (main_app.py, pizza_recipe.py, pizza_manager.py, standard_menu_manager.py, customized_pizza_order.py). The main_app.py file is open in the editor, displaying code for a PizzaStoreApp class. The terminal tab shows the execution of the application, starting with menu options and then guiding the user through the creation of a custom pizza. It lists toppings and their costs, calculates the total price (\$8.50), and provides a summary. The status bar at the bottom indicates the current line (Ln 17), column (Col 21), and encoding (UTF-8).

5. Show Side Dish Menu

The screenshot shows a code editor interface with several tabs open at the top: main_app.py, pizza_recipe.py, pizza_manager.py, standard_menu_manager.py, and customized_pizza_o. The main_app.py tab is active, showing Python code for a PizzaStoreApp class. Below the code editor is a terminal window displaying the output of the application. The terminal output shows a user prompt 'Enter your function number (1-11):' followed by a list of side dish menu items with their descriptions, classifications, and retail prices. At the bottom of the terminal, there is a section titled '=====PIZZA MANAGEMENT SYSTEM=====' with three numbered options: 1. Process Customer Order, 2. Display House Menu Options, and 3. Start Create Your Own Pizza.

```
17     class PizzaStoreApp:
18         def __init__(self):
19             self.__standard_menu_manager = StandardMenuManager()
20             self.__custom_order = CustomizedPizzaOrder()
21             self.__side_dish_manager = SideDishManager()
22             self.__order_processor = None
23
24     def initialize(self):
25
26
anishkhadka@Anishs-MacBook-Pro HW5_Pizza_Management % /usr/local/bin/python3 /Users/anishkhadka/Desktop/SFBU/cs500_0
OPD_Python/HW5_Pizza_Management/main_app.py
9. Review Recipe Categories
10. View Kitchen Stock
11. close Application
Enter your function number (1-11): 4
--- SIDES AND EXTRAS MENU ---
** Jalapeno Poppers **
Description: Cream cheese stuffed jalapenos
Classification: Appetizer
Retail Price: $5.50
** Chicken Wings **
Description: Crispy
Classification: oven-baked chicken wings with a choice of sauce
Retail Price: $6.00
** Chicken Nuggets **
Description: Golden-fried chicken pieces
Classification: Appetizer
Retail Price: $6.50
** Chocolate Chip Cookie **
Description: Warm
Classification: classic chocolate chip cookie
Retail Price: $6.00
** Oreo Bites **
Description: Deep-fried Oreo cookies drizzled with sugar glaze
Classification: Dessert
Retail Price: $7.50
** Chicken Pasta **
Description: Creamy alfredo pasta with grilled chicken
Classification: Side Dish
Retail Price: $9.50
=====PIZZA MANAGEMENT SYSTEM=====
1. Process Customer Order
2. Display House Menu Options
3. Start Create Your Own Pizza
```

6. Create a pizza recipe

The screenshot shows a code editor interface with the following details:

- File Explorer:** Shows the project structure under "HW5_PIZZA_MANAGEMENT".
- Code Editor:** Displays the `main_app.py` file content. The code defines a `PizzaStoreApp` class with an `__init__` method and an `initialize` method. The `initialize` method prints a menu and handles user input for creating a new pizza recipe.
- Terminal:** Shows the output of running the application. It prompts for a function number (1-11) and enters 5 to create a new pizza recipe. It asks for the recipe name ("Test Pizza"), category ("Classic"), ingredients ("cheese"), and price ("9.99"). A warning is shown for unrecognized ingredients.
- Status Bar:** Shows the current file is `main_app.py`, the terminal mode is Python, and the status bar indicates Ln 17, Col 21, Spaces: 4, UTF-8, LF, and Python.

```
class PizzaStoreApp:
    def __init__(self):
        self.__ingredient_manager = IngredientManager()
        self.__pizza_manager = PizzaManager(self.__ingredient_manager)
        self.__standard_menu_manager = StandardMenuManager()
        self.__custom_order = CustomizedPizzaOrder()
        self.__side_dish_manager = SideDishManager()
        self.__order_processor = None

    def initialize(self):
        print("====PIZZA MANAGEMENT SYSTEM====")
        print(1. Process Customer Order)
        print(2. Display House Menu Options)
        print(3. Start Create Your Own Pizza)
        print(4. Show Side Dish Menu)
        print(5. Create New Pizza Recipe)
        print(6. Update Existing Recipe Details)
        print(7. Remove Recipe from Catalog)
        print(8. Lookup Recipe by Term)
        print(9. Review Recipe Categories)
        print(10. View Kitchen Stock)
        print(11. close Application)

        Enter your function number (1-11): 5
        Enter the full name for the new recipe: Test Pizza
        Enter the pizza category (e.g., 'Gourmet', 'Classic'): Classic
        List Ingredients (separate each with a comma): cheese
        Enter the sale price (e.g., 15.99): 9.99
        Warning: Ingredient not recognized in stock system: cheese
        Successfully saved new recipe: Test Pizza

====PIZZA MANAGEMENT SYSTEM====
1. Process Customer Order
2. Display House Menu Options
3. Start Create Your Own Pizza
4. Show Side Dish Menu
5. Create New Pizza Recipe
6. Update Existing Recipe Details
7. Remove Recipe from Catalog
8. Lookup Recipe by Term
9. Review Recipe Categories
10. View Kitchen Stock
11. close Application
Enter your function number (1-11):
```

7. Update existing recipe

The screenshot shows a Python code editor with several files open in the background, including `main_app.py`, `pizza_recipe.py`, `pizza_manager.py`, `standard_menu_manager.py`, and `customized_pizza_o`. The terminal window in the foreground displays the following interaction:

```
anishkhadka@Anishs-MacBook-Pro HW5_Pizza_Management % /usr/local/bin/python3 /Users/anishkhadka/Desktop/SFBU/cs500_00PD_Python/HW5_Pizza_Management/main_app.py
Standard pizza menu successfully retrieved.
Custom build ingredients are ready.
Side dish menu successfully configured.

=====PIZZA MANAGEMENT SYSTEM=====
1. Process Customer Order
2. Display House Menu Options
3. Start Create Your Own Pizza
4. Show Side Dish Menu
5. Create New Pizza Recipe
6. Update Existing Recipe Details
7. Remove Recipe from Catalog
8. Lookup Recipe by Term
9. Review Recipe Categories
10. View Kitchen Stock
11. close Application

Enter your function number (1-11): 6
Enter the exact recipe name to modify: Meat Lovers
New category (leave blank to keep current):
New ingredients list (comma-separated, blank to keep current): Sausage, Pepperoni
New price (leave blank to keep current): 14.99
Recipe parameters updated for: Meat Lovers

=====PIZZA MANAGEMENT SYSTEM=====
1. Process Customer Order
2. Display House Menu Options
3. Start Create Your Own Pizza
4. Show Side Dish Menu
5. Create New Pizza Recipe
6. Update Existing Recipe Details
7. Remove Recipe from Catalog
8. Lookup Recipe by Term
9. Review Recipe Categories
10. View Kitchen Stock
11. close Application

Enter your function number (1-11):
```

The terminal shows the application's main menu, followed by a specific command to update a pizza recipe named "Meat Lovers". The user is prompted for new ingredients ("Sausage, Pepperoni") and a new price ("14.99"). The application then confirms that the recipe parameters have been updated.

8. Remove Recipe from Catalog

```
main_app.py > PizzaStoreApp > _edit_recipe_ui
17     class PizzaStoreApp:
18         def __init__(self):
19             self.__pizza_manager = PizzaManager()
20             self.__order_processor = OrderProcessor()
21             self.__side_dish_manager = SideDishManager()
22             self.__standard_menu_manager = StandardMenuManager()
23
24         def __edit_recipe_ui(self):
25             price_value = None
26             if price_text != "":
27                 try:
28                     price_value = float(price_text)
29                 except ValueError:
30                     print(Fore.RED + "Error: Price must be a valid number. Update aborted." + Style.RESET_ALL)
31                     return
32
33             self.__pizza_manager.edit_recipe(
34                 name, category_value, new_ingredients, price_value
35             )
36
37             print("Recipe parameters updated for: " + name)
38
39             print("====PIZZA MANAGEMENT SYSTEM====")
40             print("1. Process Customer Order")
41             print("2. Display House Menu Options")
42             print("3. Start Create Your Own Pizza")
43             print("4. Show Side Dish Menu")
44             print("5. Create New Pizza Recipe")
45             print("6. Update Existing Recipe Details")
46             print("7. Remove Recipe from Catalog")
47             print("8. Lookup Recipe by Term")
48             print("9. Review Recipe Categories")
49             print("10. View Kitchen Stock")
50             print("11. close Application")
51
52             print("Enter your function number (1-11): ", end="")
53             choice = input()
54
55             if choice == "7":
56                 print("Enter the exact recipe name to delete permanently: ", end="")
57                 recipe_name = input()
58
59                 self.__pizza_manager.remove_recipe(recipe_name)
60
61                 print("Recipe permanently removed from the catalog: " + recipe_name)
62
63                 print("====PIZZA MANAGEMENT SYSTEM====")
64                 print("1. Process Customer Order")
65                 print("2. Display House Menu Options")
66                 print("3. Start Create Your Own Pizza")
67                 print("4. Show Side Dish Menu")
68                 print("5. Create New Pizza Recipe")
69                 print("6. Update Existing Recipe Details")
70                 print("7. Remove Recipe from Catalog")
71                 print("8. Lookup Recipe by Term")
72                 print("9. Review Recipe Categories")
73                 print("10. View Kitchen Stock")
74                 print("11. close Application")
75
76                 print("Enter your function number (1-11): ", end="")
77                 choice = input()
78
79             else:
80                 print("Invalid choice. Please enter a number between 1 and 11.")
```

9. Look Up Recipe by Term

The screenshot shows a code editor interface with several tabs open at the top: main_app.py, pizza_recipe.py, pizza_manager.py, standard_menu_manager.py, and customized_pizza_o. The main_app.py tab is active, showing a portion of the code. Below the tabs is a terminal window displaying the output of a Python application. The terminal output shows a user interacting with a pizza management system. The user enters 'BBQ Chicken' to delete a recipe, which is confirmed as removed. The system then lists 11 menu options. The user types 'Meat Lovers' to search for a recipe, and the system finds one: 'Meat Lovers | Group: Gourmet | Price: \$14.99'. It also lists required components: Sausage / Pepperoni. At the bottom of the terminal, the user is prompted to enter a function number again.

```
HW5_Pizza_Management
main_app.py X pizza_recipe.py U pizza_manager.py U standard_menu_manager.py U customized_pizza_o D v

EXPLORER ... main_app.py > PizzaStoreApp > _edit_recipe_ui
    business_layer
        __pycache__
        customized_pizza_order.py
        ingredient_manager.py
        order_processor.py
        pizza_manager.py
        pizza_recipe.py
        side_dish_manager.py
        standard_menu_manager.py
    Class Diagrams
        case_diagram.png
        class_diagram.png
    data_layer
        __pycache__
        csv_data_loader.py
    Dataset
        customizable_ingredients.csv
        ingredient_inventory.csv
        pizza_dataset.csv
        side_dish_menu.csv
        standard_menu.csv
    Documentation.pdf
    main_app.py

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS Python + ▾

anishkhadka@Anishs-MacBook-Pro HW5_Pizza_Management % /usr/local/bin/python3 /Users/anishkhadka/Desktop/SFBU/cs500_00PD_Python/HW5_Pizza/main_app.py
Enter the exact recipe name to delete permanently: BBQ Chicken
Recipe permanently removed from the catalog: BBQ Chicken
=====PIZZA MANAGEMENT SYSTEM=====
1. Process Customer Order
2. Display House Menu Options
3. Start Create Your Own Pizza
4. Show Side Dish Menu
5. Create New Pizza Recipe
6. Update Existing Recipe Details
7. Remove Recipe from Catalog
8. Lookup Recipe by Term
9. Review Recipe Categories
10. View Kitchen Stock
11. close Application
Enter your function number (1-11): 8
Type a keyword for searching recipes: Meat Lovers
Found 1 matching entry(s) in the catalog:
-- Meat Lovers | Group: Gourmet | Price: $14.99
Required Components: Sausage / Pepperoni
=====PIZZA MANAGEMENT SYSTEM=====
1. Process Customer Order
2. Display House Menu Options
3. Start Create Your Own Pizza
4. Show Side Dish Menu
5. Create New Pizza Recipe
6. Update Existing Recipe Details
7. Remove Recipe from Catalog
8. Lookup Recipe by Term
9. Review Recipe Categories
10. View Kitchen Stock
11. close Application
Enter your function number (1-11):
```

10. Review Recipe Categories

The screenshot shows a code editor interface with several tabs open. The main tab displays a Python script for a pizza store application. Below the code editor is a terminal window showing the application's user interface. The terminal output includes:

```
anishkhadka@Anishs-MacBook-Pro HW5_Pizza_Management % /usr/local/bin/python3 /Users/anishkhadka/Desktop/SFBU/cs500_00PD_Python/HW5_Pizza_Management/main_app.py
--- Meat Lovers | Group: Gourmet | Price: $14.99
Required Components: Sausage / Pepperoni
=====PIZZA MANAGEMENT SYSTEM=====
1. Process Customer Order
2. Display House Menu Options
3. Start Create Your Own Pizza
4. Show Side Dish Menu
5. Create New Pizza Recipe
6. Update Existing Recipe Details
7. Remove Recipe from Catalog
8. Lookup Recipe by Term
9. Review Recipe Categories
10. View Kitchen Stock
11. close Application
Enter your function number (1-11): 9
--- PIZZA CLASSIFICATIONS ---
>> Classic
>> Gourmet
>> Vegetarian
=====PIZZA MANAGEMENT SYSTEM=====
1. Process Customer Order
2. Display House Menu Options
3. Start Create Your Own Pizza
4. Show Side Dish Menu
5. Create New Pizza Recipe
6. Update Existing Recipe Details
7. Remove Recipe from Catalog
8. Lookup Recipe by Term
9. Review Recipe Categories
10. View Kitchen Stock
11. close Application
Enter your function number (1-11):
```

The terminal also shows the file path and current line information: Ln 136, Col 9.

11. View Kitchen Stock

The screenshot shows a Python code editor with several files open in the background, including `main_app.py`, `pizza_recipe.py`, `pizza_manager.py`, `standard_menu_manager.py`, and `customized_pizza_o`. The terminal window in the foreground is running the application and displays the following output:

```
anishkhadka@Anishs-MacBook-Pro HW5_Pizza_Management % /usr/local/bin/python3 /Users/anishkhadka/Desktop/SFBU/cs500_00PD_Python/HW5_Pizza_Management/main_app.py
10. View Kitchen Stock
11. close Application
Enter your function number (1-11): 10
---- CURRENT KITCHEN STOCK ---
Tomato Sauce: 50 units left
Pesto Base: 30 units left
Mozzarella: 100 units left
Pepperoni: 74 units left
Sausage: 59 units left
Mushrooms: 45 units left
Green Peppers: 40 units left
Onions: 50 units left
Pineapple: 25 units left
BBQ Sauce: 35 units left
Chicken: 70 units left
Flour: 200 units left
Thin Crust: 102 units left
Ham: 40 units left
Bacon: 45 units left
Black Olives: 40 units left
=====PIZZA MANAGEMENT SYSTEM=====
1. Process Customer Order
2. Display House Menu Options
3. Start Create Your Own Pizza
4. Show Side Dish Menu
5. Create New Pizza Recipe
6. Update Existing Recipe Details
7. Remove Recipe from Catalog
8. Lookup Recipe by Term
9. Review Recipe Categories
10. View Kitchen Stock
11. close Application
Enter your function number (1-11):
```

The terminal status bar at the bottom indicates: Ln 136, Col 9 Spaces: 4 UTF-8 LF {} Python.

12. Close Application

```
main* 1 ↵ 0 △ 0
```

HW5_Pizza_Management

EXPLORER

HW5_PIZZA_MANAGEMENT

- business_layer
- __pycache__
- customized_pizza_order.py
- ingredient_manager.py
- order_processor.py
- pizza_manager.py
- pizza_recipe.py
- side_dish_manager.py
- standard_menu_manager.py

Class Diagrams

- case_diagram.png
- class_diagram.png

data_layer

- __pycache__
- csv_data_loader.py

Dataset

- customizable_ingredients.csv
- ingredient_inventory.csv
- pizza_dataset.csv
- side_dish_menu.csv
- standard_menu.csv

Documentation.pdf

main_app.py

main_app.py x pizza_recipe.py U pizza_manager.py U standard_menu_manager.py U customized_pizza_order.py D v

main_app.py > PizzaStoreApp > _edit_recipe.ui

```
1 # HW5 Pizza Management System
2 # Anish Khadka, 164017
3 # Samir Ghimire, 164061
4 # CS 500 - Object Oriented Programming in Python
5 from colorama import Fore, Style, init
6
7 from business_layer.ingredient_manager import IngredientManager
8 from business_layer.pizza_manager import PizzaManager
9 from business_layer.standard_menu_manager import StandardMenuManager
10 from business_layer.customized_pizza_order import CustomizedPizzaOrder
11 from business_layer.side_dish_manager import SideDishManager
12 from business_layer.order_processor import OrderProcessor
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

anishkhadka@Anishs-MacBook-Pro HW5_Pizza_Management % /usr/local/bin/python3 /Users/anishkhadka/Desktop/SFBU/cs500_00PD_Python/HW5_Pizza_Management/main_app.py

Inventory check complete. All ingredients loaded.

Pizza recipe catalog synchronized.

Standard fixed menu successfully retrieved.

Custom build ingredients are ready.

Side dish menu successfully configured.

===== PIZZA MANAGEMENT SYSTEM =====

1. Process Customer Order
2. Display House Menu Options
3. Start Create Your Own Pizza
4. Show Side Dish Menu
5. Create New Pizza Recipe
6. Update Existing Recipe Details
7. Remove Recipe from Catalog
8. Lookup Recipe by Term
9. Review Recipe Categories
10. View Kitchen Stock
11. Close Application

Enter your function number (1-11): 11

System logout successful. Have a productive day!

anishkhadka@Anishs-MacBook-Pro HW5_Pizza_Management %

Ln 136, Col 9 Spaces: 4 UTF-8 LF () Python