CS 1450 – Intro to Object-Oriented Programming

Final Assignment

Instructor: Patrik Boloz
Date: 11-29-2023
Maximum points: 150
Deadline: 12-8-2023 by midnight. Any submissions after the deadline will NOT be accepted.

Finish these two following exercises and submit a Python file for each one.

Exercise 1 (75 points):

- Write a Python program that initializes an empty list called grocery_list.
- Use a while loop to repeatedly ask the user if they want to add items to the grocery list.
- If the user wants to add an item, use the input() function to get the name of the item from the user and append it to the grocery_list.
- After each item is added, ask the user if they want to continue adding items or if they want to stop. If the user wants to stop, exit the loop.
- Once the user decides to stop, use a for loop to iterate through the grocery_list and print each item.

Exercise 2 (75 points):

- Create a Python function named order_processing that simulates the processing of an order for a fictional online store.
- The function should take parameters such as customer_name, item_ordered, quantity, and shipping_address.
- Inside the function, use these parameters along with at least two additional variables to perform order processing tasks. For example, you can calculate the total cost of the order, check the availability of the item, or determine the estimated delivery time.
- Return a processing_details dictionary, providing a comprehensive summary of the order processing outcome.
- Use the function at least once where a customer is buying a product with the necessary information