COMPUTER SCIENCE

FINAL PROJECT

-Kush Bhandari

Topic – Coffee Shop

In order to make my project more organized and understandable, I used four separate classes.

Order Item, Order, Shop, and Item are the four classes used.

A class vector was also utilized to add an item to the final order.

The user can choose from four different functions in this program. It can add a menu item, print the menu, and take orders.

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The majority of the program's getter and setter functions were in the Item class.

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A method set the name needed to add in the order was included in the class order item.

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All of the essential functions were included in the Order function. The first function uses a vector to add an item to the order. The getOrderTotal() function returns the total price of an order.

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Description automatically generatedThis function displays the functions that the software can execute.

A screenshot of a computer

Description automatically generated with medium confidence

To add an item to an order, use this function. We save the item's name, calories, and price in a vector before adding it to the order.

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The items details are all saved in a file using the file I/O functions provided by the visual studio code. There are two different functions which uses the file.

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The takeorder() functions takes all the item details and adds the item to the cart. The functions also checks whether the order is valid or not.