

Criterion E: Evaluation

Meeting success criteria

End users will be prompted for all information that is needed

- The system prompts all end users for information in an understandable manner, and is never hidden in its formats desired.

The interface is clear and all prompts to the end user are understandable

- Clients and employees at the restaurant completely understood how to use the system, and fully understood the prompts.

System will store dish data, including names and prices

- The system prompts the user to enter dish names and prices, and even stores them in an array of the Dish class.

System can assign and determine waiter assignments

- The system automatically assigns waiters with the least assignments to the next table with guests. Waiters then take the orders to the system.

There is a payment processing menu in the system

- The system can process credit card and cash payments from the customers.

System can calculate the total revenue of the restaurant

- Total revenue is added to every time a guest pays for their bill. There is a menu option to display current statistics in the restaurant.

All employees are stored as objects of the Employee class

- The Waiter class is a daughter class of the Employee class, which will allow for further expansion of the system if more employees would like to be represented in the system.

Feedback from client

My client, Eddy Huynh, has generally approved of the system. Having a text based system allows the restaurant servers to memorize which key does what in the menus, which generally leads to faster service and better communication between the waiters and the kitchen staff. He is generally happy with the system's ability to quickly calculate totals and add wages to waiters' accounts, which is beneficial to the performance of the restaurant. He is also appreciative of the "Clear" option, which allows for a table to be reset instantly on the system for the next guest.

Recommendations for future

No system is entirely perfect, and my system is included. Currently, my system does not yet send the orders to the kitchen. An option for an addition to the system would be to implement

a queue system to send orders to the kitchen, and assign chefs different tasks based off of the orders placed into the system. Additionally, for my project, I did not have all of the data stored into a text file. To improve my system, I could store everything in a text file to promote faster setup.