Criterion E: Evaluation

Success Criteria	Result
A Comprehensive, easy to understand menu for simple navigation.	The menu covers all of the aspects that were discussed with the client. It has multiple sub-menus that correspond to various tasks, so it is done effectively and works as expected.
Creations and Organization of a database/list of orders that are pending.	Using a dynamic data structure such as a dynamic queue, I have been able to implement this feature and make the program much more modularised and simple to maintain later in the future.
Efficient Storage of the order list into a permanent file.	The lists are stored into categorical text files which can be read from and written to for any updates. Even after the session expires and the client restarts the application, the data persists.
Ability for the client to add/modify/delete orders in the list.	The client has the ability to perform managerial functions such as adding and deleting, however, the modification function is not accessible by the manager. Only the waiters can access this modify function before they complete the order.
Creation and maintenance of a database/list of available dishes in the restaurant.	The available dishes in the restaurant are stored into a text file that can be read using a scanner object.
Ability to Print out a formatted bill of a customer's order	A customer's order will have a bill printed along with the current cost of the order inclusive of tax.
A manger module that can calculate total earnings for the day	The manager module can view the current orders for the day as well as calculate the total sales for the day so far, allowing for much less of a burden on the client to calculate the sum of all the orders.

Feedback from Client

After showing the client my product, he tested its functionality and told me what he felt was lacking. His main concern was the requirement to write down his entire menu along with their prices during setup, but that would only be a one time endeavour. Other than this, he liked the fact that as long as he enters the name of the dish, the price will automatically be assigned and his bill would be created without him having to manually assign the values.

Overall, my client was satisfied with the solution, and believed that it was a better alternative to his previous system.

Recommendations for Further Development

This project currently has a well laid out foundation that is able to perform the basic tasks that is required by my client. However, there are some techniques that could be implemented to further enhance my project.

One improvement that could be made would be the implementation of GUI. This would make it much easier for the users to interact with the program. This would also increase the speed at which the waiters can use the program. A visual representation will also make the data much more readable to the manager.

The implementation of a modify function both in the pending orders and the menu text file would improve the functionality of this program substantially.

Word Count : 527 words