Criterion E

Evaluation of the product
(client feedback is found in appendix section B)

| Success criteria | met |
|---|---|
| The program allows the client to modify item data within the program | yes: the program allows the client to "**change my[the client] item data"**[1] |
| The program allows customers to input information into the program which is stored for access | Yes: the program "**takes in customer order data"**[2] |
| The program allows the client to access customer order data | Yes: the program allows the client "**to access data that a customer would input into the system"**[3] |
| The program interface will indicate what it wants the customer to input (friendly) | Yes: the program communicates with the user "**through text bubble outputs"**[4] |
| The program requests relevant information from the customer (product, special requirements etc.) | Yes: the program "**prompts for the information [the client] need"**[5] |
| The program parses information from customer input and arranges it in a table or similar structure for client | Yes: the program places the data in the "**JSON format of the object [that] is also easy to understand [for the client]"**[6] |
| The program will automatically inform the client of data entry errors | Yes: the program "**reminds customers of data entry errors"**[7] |
| The program warns customer if insufficient information has been provided, potentially because of data entry errors | Yes: "**The program warns customer if insufficient information has been provided, potentially because of data entry errors"**[8] |

[1] Appendix B
[2] Appendix B
[3] Appendix B
[4] Appendix B
[5] Appendix B
[6] Appendix B
[7] Appendix B
[8] Appendix B

Recommendations:

To improve the product I would improve the client method of inputting information to perhaps including a GUI.[9] Although the current client is familiar and comfortable with the shellcode, they have indicated that a GUI may make it more convenient for their use. As well, in the future, a better method for the authorization of the client rather than a login, such as token authentication, would make the application both more convenient and more secure. Although not part of the client's requirements or success criteria, the current method of authentication exists solely for the purpose of preventing unauthorized access to modifying data in the API and requires the client to enter a hard-coded password and username.[10] If the application is to handle more sensitive information beyond communicative initial orders and an item list, better security would be essential. Finally, many functions of libraries remain unused, some of which were excluded so I could create the structure myself, however, in the future I feel that it would be more efficient to utilize the more optimized library methods.

Word count: 392

[9] Appendix B
[10] Appendix B