Criterion E - Evaluation

Success Criteria	Met?	Comments
Customers can order from any item on the menu (in the database).	Yes	When the customer searches for the name of the item to be ordered, the price is shown accordingly. By clicking "add," they'll be ordering that item, and the calculations are made.
Customers will be issued a receipt based on their order(s), where their subtotal, tax, and total are calculated.	Yes	The receipt was done on a separate JFrame that is triggered by the print button. When pressed, it automatically redirects the user to the "PrintReceipt" Jframe.
The administrator can keep track of all orders without customers having to mention their names.	Yes	This was done through the use of the auto-incrementing ID "LastInsertID." It was especially useful because it helped out on two of the tables in the admin page: the Restaurant's Sales and Customer's Order tables.
The administrator can keep track of the remaining quantity of each available food and beverage item, letting them know when they're running low.	Yes	Every time a customer purchases an item, the remaining quantity in stock is reduced by the amount purchased. If the customer tries to purchase an amount higher than the quantity available, they'll be met with an error message, asking them to order a lesser amount.
The administrator can purchase items from their restaurant's suppliers.	Yes	It works exactly like the customer's ordering page, but instead it's the ID of the item that is searched for in the database rather than the name to trigger the corresponding price.
The administrator can add a new category to the menu (e.g., a "burgers" section).	Yes	The purpose of the AddCategory Jframe is for the admin to do as proposed.
The administrator can add a new product to a category (e.g., chicken within the burger category to make a chicken burger, or cheese to make a cheese burger, etc.).	Yes	The AddProduct Jframe performs this function admirably.

The administrator can manage the products in the menu by updating the price, description, and remaining quantity of the products after purchasing items from suppliers. They may also remove a product for any reason, like a lack of profitability.	Yes	This particular criterion was met by the ManageProduct Jframe. Altogether, the AddCategory, AddProduct, and ManageProduct Jframes heavily contribute to the user-friendliness of the program.
A login JFrame that requires the user to enter the proper username and password as a verification check to access the administrator's page.	Yes	Only if the username and password are matched should the user proceed to the administrators' page.
An admin page for the administrator to carry out tasks with the click of a button and to keep track of the sales.	Yes	My client was especially pleased with the simplicity and structure of this JFrame.
A free-to-roam customer page for the dining customer(s).	Yes	This was also made to contribute to the user-friendliness of my product.
The administrator can add a new employee (including their ID photo), update an existing employee's information, and delete their information when they leave the organization.	Yes	Done using an ArrayList connected to the "Employee" Java class and MySQL. This helps identify an employee without any written credentials.
The administrator may search for employee(s) by name, phone number, job position, or any other search value.	Yes	To search against the records in the employee table, use the setRowFilter() method in conjunction with the TableRowSorter implementation and swing import. My client was satisfied with how easy it was to search for their workers.
Customers can leave reviews for the administrator.	Yes	Including this feature made the program from the customer's end look more professional and complete.

Extensions and Improvements

My client and I are both pleased with my product, especially me because of the tiresome encounters with countless error messages. To add, I have successfully completed the "extras" of the success criteria as per my clients' request to make a page that handles employees on top of the products.

One thing I haven't done quite right, however, is prevent the category (jcombobox) from being restricted to the name (jtextfield) of the food item. For example, a customer can select "macchiato pizza," and it will accept it. This needs to be fixed. Other than that, however, I'm pleased with the outcome. Finally, my client and I discussed the following areas for development to enhance the functionality of the restaurant management system:

1. The inclusion of pickups and takeout/takeaways as Olive & Bread offers these services. These pages for the customer should be followed by tables linked through MySQL databases.

2. Add images for the products (food and beverages menus to provide customers with a feel of what they are ordering) just like I did in the Employee JFrame for an employee's ID photo.

3. Adding a timer/countdown (like 20 minutes) before the food is served and receipt is generated would be more realistic as my product does it instantly.

4. Including a JFrame where customers can rate their experience by having a scale rating system out of 5 stars. This would be an extension and improvement on the "Reviews" page. Lastly, perhaps having a page where customers can leave a tip would be another realistic feature to add.

*Word Count: **258***