Comsci 211: Final Project

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**Blanchard Ordering System**

For my final project, I created a java application, which enables users to order food from their computer. Currently, students have to wait in long lines to get their food and most ordering in Blanchard is done through paper slips (one for each student). I wanted to create a java application that will prevent the problem of waiting in long queues and reduce the usage of paper.

In my project, I used arraylists to store the menu (with prices) of items in Blanchard and a queue to keep track of customers. The application allows users to select items from a dropdown and add them to a list of their orders. It also allows users to check the total price as they add items to their order list. When the user clicks order, the console will show the items ordered and the total cost.

My contributions:

1. Creating a hash table that maps customers onto the hash table by their ID
2. Creating arraylists for the menu
3. Developing the backend to keep track of each customer, their ID, orders and the price of their orders
4. Creating the GUI

Reflections:

I enjoyed working on this project. I found that implementing the data structures was easier than the GUI. I think I would like to work more on frontend and learning more about different programming languages. I think that would be the right step for me to improve my programming experience.

Overall, it was a good learning experience and thank you for allowing us to work on an idea of our own.