Progress Report No. 1 Food Ordering System	
Course Code: CpE201L	**Program:** Bachelor of Science in Computer Engineering
Course Title: Data Structure and Algorithm	**Date Performed:** September 13, 2025
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Name: Catahan, Joshua A. Directo, Hannah Thea B. Eulin, Ryan Bertrand B. Gabijan, Rhovic M. Hermosura, Leigh B.	**Instructor:** Engr. Maria Rizette H. Sayo

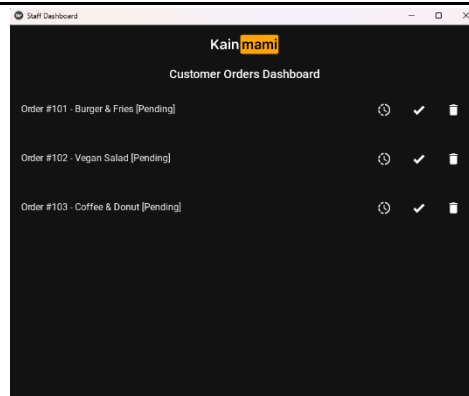| **1. Objectives** |
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| To apply the linear data structure on our current program. Showcase the progress of the program. Practice the fundamentals and implementation of a linear data structure. |
| **2. Discussion** |
| In this program, we will use the linear data structure which is the "Queue". The queue follows the FIFO method (First in, first out), meaning the last item added (enqueued) to the stack is the first one to be removed (dequeued). We choose this data structure since the program we will create is the food ordering system including transaction. |
| **3. Materials and Equipment** |
| **Desktop/Device:** It is important to have a device so you can program **Operating System:** Operating system are essential since you cannot use your device without it. **Python IDE:** You may use Visual Studio Code or Pycharm |
| **4. Procedure** |
| Development of both the front-end and back-end component of the program is currently in progress. On the front-end the user interface has a search bar, food icon / home icon, and user profile. Back-end on the other hand, has its user input. This coordinated approach facilitates seamless integration between the two components and supports the overall efficiency of the development process.

 Open your Python IDE and Create a file Import kivy library to implement the front-end components of the program Implement the linear Data Structure in the Staff Dashboard |
| **5. Output** |

Figure 1.0 User Interface

This is the output of the progress of our it has its user interface and dashboard where the linear data structure will be implemented.

6. Conclusion

In conclusion, we are still developing the program. Both front-end and back-end development reflects a well-structured approach in the project. These components ensure that the application is being built with both functionality in user and the admin.