



Progress Report No. 2 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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1. Objectives	
<ul style="list-style-type: none">• Implement the queues and kivy• Design a user interface• Understand the process of the program using flowchart	
2. Discussion	
Kivy is an open-source python framework designed for developing cross-platform graphical user interface (GUI) applications. It provides a multitouch-enabled widget library and input devices like mouse, keyboard, etc.	
3. Materials and Equipment	
<ul style="list-style-type: none">• 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	
We used Kivy library and imported its components so we can create a layout of our front end, we also implemented the queue data structure using class.	

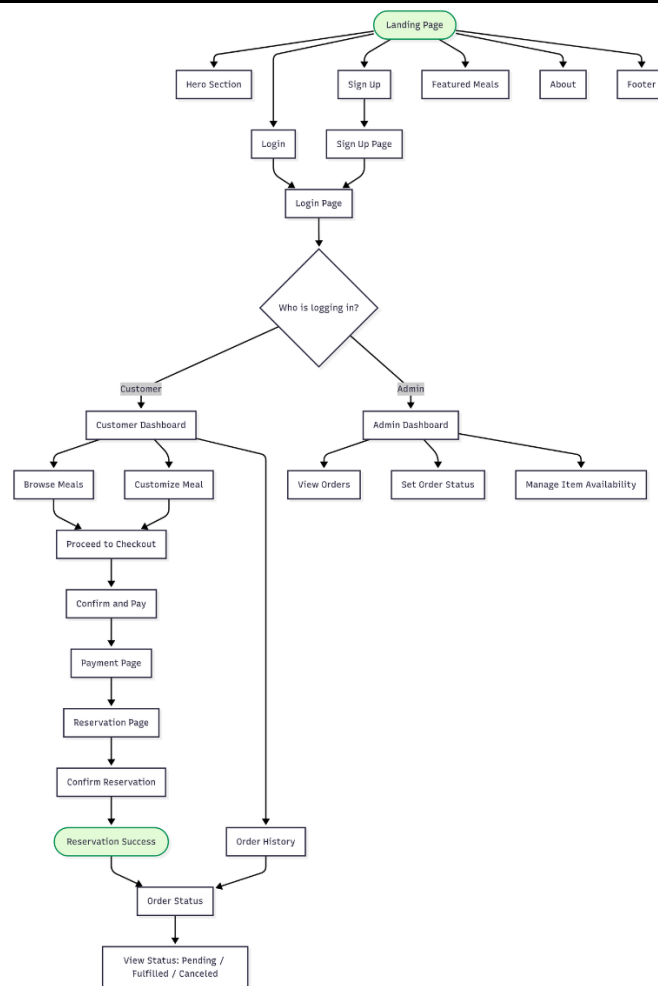


Figure 1.0 Flowchart

5. Output



Figure 2.0 Mock-up design

The output is just only the mock up design of our future ordering food system program. Since we already put it in the Progress report number 1. This image shows the food menu and its icon.

6. Conclusion

In conclusion Kivy is a very important library when making the front-end of our program. It is a fundamental process to connect the back-end and the linear data structure queues. Implementing this will help the user to have a quality user interface.