

PROGRESS REPORT #3	
Course Code: CPE 201L	Program: BSCpE
Course Title: Data Structure and Algorithm	Date Performed: September 20, 2025
Section: 2A	Date Submitted: September 20, 2025
Group Members: Leader: Villanueva, Bryan O. Members: Asugas, Kenneth R. Regondola, Jezreel P. Ruperto, April Anne A. Villacin, Justine R.	Instructor: Engr. Maria Rizette H. Sayo
1.Objectives	
This project aims to implement the following: <ul style="list-style-type: none"> • Design a user friendly and visually appealing interface for the diary application. 	
2. Discussion	
During this second progress, we plan to develop a diary application in Python where users can organize their personal notes in a straightforward and organized way. The program was implemented with the <ul style="list-style-type: none"> • PC – Personal computer used to run programs, save files, and do tasks like typing, browsing, or coding. • Visual Studio - A compiler to write and run html, js, css, and python. • Canva – For designing of the application. 	
4. Procedure	
<ol style="list-style-type: none"> 1. Continuation of the design – finishing of the final design for the application. 2. Front end – Creating of a front end for the application 3. Coding – Writing of HTML, CSS, JS of the front end. 4. 	
5. Output	

Figure 1 Design

Figure 2 Program

Figure 3 Program

Figure 4 Output of program

6. Conclusion

As a group, we were able to apply what we learned in Data Structures by creating a diary application using a Doubly Linked List. Through this project, we practiced teamwork and problem solving while building a program that is both useful and easy to use. The DLL helped us handle entries more efficiently compared to arrays, especially when adding or deleting notes. We also started working on the design to make the application simple and user-friendly. Overall, this progress showed us how data structures can be applied in real projects and gave us more confidence to continue improving our application.

Total Points: 24