Record of Tasks

Task Number	Planned Action	Planned Outcome	Time estimated in days.	Target completion date	Criterion
1	Introduction to the Computer Science IA	Get an idea to how the IA is going to be.	1	7 March 2020	A
2	Choosing a topic.	To find the problem with the current system.	5	12 March 2020	A
3	Discussing the idea with my computer science teacher	Approved by teacher.	1	13 March 2020	A
4	First interview to gather data on the problem	Client provides specific information that will help give a direction to the program's development.	2	15 March 2020	A
5	Second Interview with client to propose solution.	The client adjusts my proposal and we come a final agreement on how the program should look like and what it can do.	2	17 March 2020	A
6	Defining my success criteria	Finished Criterion A with sufficient success Criteria.	3	20 March 2020	A
7	Getting teacher feedback and making corrections.	Using teachers comments to finalize Criterion A.	4	24 March 2020	
8	Starting work on product design	To make some preliminary designs for the application interface and processes.	6	30 March 2020	B
9	Creating the User interface design	To complete the user interface design.	2	2 April 2020	B

10	Creating flowchart diagrams and relational database tables and designing algorithms that show how the program will work.	To create flowcharts and relational databases that will show the processes of the program.	6	8 April 2020	B
11	Updating designs of user Interface to make them more user friendly	To make the final user interface designs for the program.	1	9 April 2020	B
12	Coming up with ideas for testing	Have a plan to test my success criteria.	2	11 April 2020	B
13	Starting to write and develop the program	Finished code for the main window of the application.	10	21 April 2020	C
14	Reading about Pyodbc, MS Access and Tkinter libraries.	Finding information about Pyodbc to help with the development of my application.	16	7 May 2020	C
15	Creating the database.	To make a sample student database with all their information using fictitious names and details.	5	12 May 2020	C
16	Connecting PyCharm and MS Access.	Using code written to make a connection between PyCharm and Microsoft Access such that SQL statements in PyCharm can take effect in Access.	7	19 May 2020	C

17	Writing and testing SQL statements and different methods of file outputs.	Different SQL statements that can manipulate database data and file output instructions are finished.	8	27 May 2020	C
18	Creating event handlers	To start adding functionality to the window I created.	6	2 June 2020	C
19	Creating validation checks.	Making sure that all integer values entered are integers so prevent program from breaking.	3	5 June 2020	C
20	Finishing code and extended writing	The application runs and the implementation document is complete.	2	7 June 2020	C
21	Testing entire program (alpha testing) using the success criteria as a guide.	Testing the program with various data types to make sure everything runs smoothly.	14	21 June 2020	D
22	Making updates to the code as a result of testing.	All success criteria are met, and the application is complete and ready for distribution.	7	28 June 2020	D
23	Recording a video to show the functionality of the program.	A video showing the full functionality of the program.	2	30 June 2020	D
24	Distribution of application to the client.	The complete and working application is sent to the client.	5	5 July 2020	E
25	Training the client to use the program.	The client knows how to use the program the way it is intended.	5	10 July 2020	E

26	Receiving feedback about the new program.	Feedback is received concerning how the program operates.	4	14 July 2020	E
27	Software evaluations	The client evaluates the software in line with the success criteria.	3	17 July 2020	E
28	Using client feedback to make changes to the new program.	All necessary changes are made to the program and is ready for the final distribution.	10	27 July 2020	E
29	Installing the final product on the client's computer.	The client has the final product installed on their device.	2	29 July 2020	E
30	Training the user to use the final system.	The client learns how to use the newly updated program.	1	30 July 2020	E