

## Record of tasks

Task number	Planned action	Planned outcome	Time estimated	Target completion date	Criterion
1	Brainstorming ideas	A discussion with my CS teacher	3 days		A
2	Preparing materials for the project	Outlining the whole process	2 day		A
3	Contact client	Discuss what problems does the client currently face and how to solve	1 day		A
4	Discussion of details with the client	Discuss details of the project as well as what aspects and functions the client looks for	1 week		A
5	An overall flowchart for the project	Finding a good website or application for drawing a flowchart	1 day		B
6	Learn and explore various python GUIs to figure out which one best suits the program	Concepts not covered in the IB, but essential for the program were self-taught	1 month		A
7	Make a schedule for the entire process	Had to estimate time for the whole	2 days		A

		process			
8	Find out success criteria and verify with the client.	Contacted the client and showed the success criteria.	1 day		A
9	Begin working on concepts of UML diagrams	Outlined some necessary classes and elements of the program	5 days		B
10	Start working on algorithms of the program processes to meet the success criteria		2 weeks		B
11	Finish up the class and components relationships of the UML diagram	Fixed some classes and elements required for the program	3 days		B
12	Begin documentation of Criterion A		4 days		A
13	Begin programming for the base of the GUI		1 week		C
14	Show the client interfaces of the program	Contacted the client and got feedback	1 day		C
15	Begin working on internal functions and mechanisms of the program		3 months		C

16	A summarized and fully labeled flowchart				B
17	Show the client blueprint and rough version of the program	Contacted the client and got feedback for modification	1 day		C
18	Implemented the feedback on the program		2 weeks		C
19	The client tested the program (alpha testing)	The client used the program for 1 week and commented on its usage of the program	1 week		C
20	Debugging the codes	<p>Huge and small errors occurred while debugging. A large quantity of input resulted in the system crashing.</p> <p>Some of the errors were still not resolved after many attempts.</p> <p>One of huge errors was to save to and read from a database. Failed to do both jobs.</p>	2 weeks		C
21	Begin working		1 week		

	on documentation of Criterion B				
22	Begin working on documentation of Criterion C		2 weeks		
23	Necessary files, images and database extensions of .py, .png and .db were sorted out in 1 folder		1 day		C
24	Hand over the final program to the client	The client used for 1 week and received feedback	1 week		E
25	Note down possible future efforts using the latest feedback		1 day		E
26	Recommendations for further improvements from my computer science teacher and client to improve quality of the codes and program		3 days		E
27	Video of product demonstration produced		1 day		D