Criterion B: Record of Tasks

Task number	Planned action	Planned outcome	Time estimated	Target completion date	Criterion
1	Initial brainstorming for possible software ideas	Identify a problem that I could realistically solve by developing new software	3 hours	February 14	A
2	Create a preliminary proposal and discuss the idea with the computer science teacher	Gain a better understanding of my problem/solution and obtain teacher approval	1 day	February 16	A
3	Further brainstorm problems with the client's (myself) existing solution and how it could be improved	Determine the problems with the existing solution (Excel), so a better purpose-built software program can be made	1 day	February 19	A
4	Finalized proposal with feature list	Obtain final teacher approval	1 hour	February 23	A
5	Design a mockup of the GUI, program flow, and class relationships	Create a detailed development plan	1 day	February 27	B
6	Planned preliminary algorithms for search, sort, filtering	Create a detailed development plan	1 day	March 1	B
7	Write functioning Member and TeamList class	Have a basic backend functionality that can be connected to GUI	2 days	March 7	C
8	Write Node and Binary Search Tree Classes	Note: this was not used in the final program	3 days	March 13	C
9	Obtain feedback from teacher	Improve my development plan/development	1 hour	March 14	B/C
10	Create updated features list and testing plan	Program should solve all the brainstormed problems	3 hours	March 14	B
11	Create prototype GUI and integrate with backend	Have an intuitive GUI that integrates with basic features (adding/deleting	5 days	March 20	C

		members, data validation, displaying table, etc)			
12	Implement automatic file exporting/importing	Saves changes after closing program	3 hours	March 21	C
13	Implement layered filters, search, member editing	Have a functioning program	3 days	March 24	C
14	Tested prototype product for bugs & brainstormed improvements	Identify and fix bugs, improve/add features that simplify client use	1 hour	March 25	C
15	Add option to sort by first name or last name	Better client experience	2 hour	March 25	A/B/C
16	Modify deletion algorithm to adapt to different sorting options	Fix bugs with deletion	3 hours	March 25	B/C
17	Add option for user to bulk edit, new algorithm	Better client experience	5 hours	March 26	A/B/C
18	Rewrite member search algorithm	Return results for partial matches for a better client experience	1 day	March 27	B/C
19	Implemented option for user to import/export files	Allow user to import their existing data	4 hours	March 28	C
20	Test final program and simulate real use	Make final improvements	3 hours	March 29	C/E
21	Plan and film video	Have finished video	1.5 days	March 31	D
22	Evaluate future improvements and how the program could be more user-friendly	Get advisor feedback, reflect on the project, possible extensions for future improvements and future development	3.5 days	April 3	E