

Criterion B: Record of tasks

Task number	Planned action	Planned outcome	Time estimated	Target completion date	Criterion
1	Hold first consultation with client.	Discuss the client's needs, specifications, and the type of program that will be created.	30 minutes	4/15/21	Appendix A & A
2	Meet with advisor regarding project plans.	Discuss the project's specifications, consider possible concerns with implementation and completion of tasks, and get approval for the project.	25 minutes	4/23/21	Appendix A & A
3	Consult with the client for extra details or last minute specifications.	Discuss any additional features or new specifications the client desires.	40 minutes	4/24/21	Appendix A & A
4	Create a skeleton of the program.	Create a basic outline and plan for implementing program specifications.	35 hours	6/4/21	B
5	Develop a testing procedure.	Create detailed success criteria for each major process in the program.	25 minutes	6/4/21	A & B
6	Hold second consultation with client.	Discuss any changes or features that the client wants implemented.	1.5 hours	6/5/21	Appendix A & B

7	Plan, design, and initialize GUI classes.	All windows and supporting classes should have a basic framework.	4 hours	9/31/21	C
8	Create Users class.	Class should allow for the creation of new Users by writing to a table in a SQLite Database; Also allows one to log in and check for previous users.	4 hours	9/31/21	C
9	Create Collection class.	Class should allow for with set information by writing to a Collection table in a SQLite Database; Lets user add, edit, and delete entries.	4 hours	10/1/21	C
10	Create and implement database to store User and Collection information.	Database should be accessible via Users, Collection, and the other GUI windows.	2 hours	10/1/21	C
11	Create log in process.	User should be able to log in if their username and password exist in the database.	1 hour	10/2/21	C
12	Create account creation process.	User should be able to create an account if their chosen username does not exist in the database and the password is longer than 8 characters.	2 hours	10/2/21	C
13	Initialize user's collection table.	The table with all of the sets in the user's collection	45 minutes	10/2/21	C

		should be initialized.			
14	Initialize table with all LEGO sets	The table with all LEGO sets should be initialized.	45 minutes	10/2/21	C
15	Create method to add entries.	User should be able to add an entry by taking information from the table with all LEGO sets and manually entering information, then writing to the database.	3 hours	10/15/21	C
16	Create method to edit entries.	User should be able to edit an entry by taking information from the user's collection table and manually entering information, then writing to the database.	3 hours	10/15/21	C
17	Create method to delete entries.	User should be able to click on an entry in the collection table and delete it from the table and the database.	1 hour	10/15/21	C
18	Implement the ability to sort and filter sets.	User should be able to sort table entries by column headers and filter out entries with filter words.	3 hours	10/20/21	C
19	Miscellaneous Bug Fixes	There should be minimal errors with all scenarios the user tests.	20 hours	10/25/21	C
20	Encapsulate code	The code should be encapsulated and	2 hours	10/25/21	C

		modularized as much as possible.			
20	Hold third consultation with client.	The client should specify any final changes or additions that they wish to add to the product.	45 minutes	10/29/21	Appendix A & B
21	Add client's new specifications.	The GUI should be more aesthetically pleasing, intuitive, and, and fulfill the client's requirements.	2 hours	10/31/21	C
22	Double-check the program and fix any errors that come up.	The GUI should satisfy the success criteria determined during the meeting with the client.	1 hour	11/1/21	C
23	Record the product video.	The completed product video should be detailed about the program's functionality.	1 hour	11/5/21	D
24	Send finished product to client.	Client begins to use product.	15 minutes	11/6/21	E & Appendix A
25	Reflect on final product and receive client feedback.	Look into areas of improvement and consider ways to implement them.	25 minutes	11/10/21	E & Appendix A