

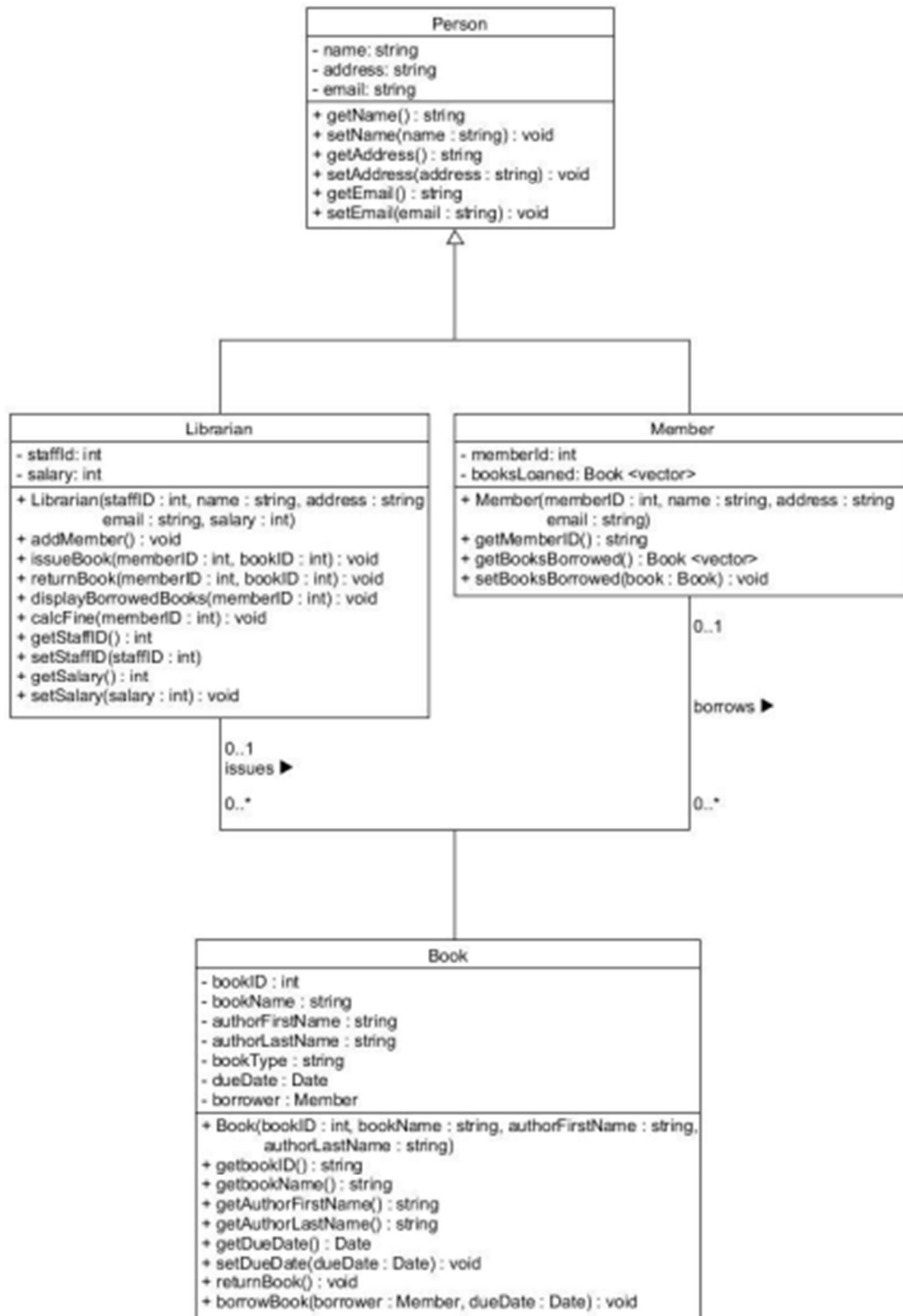
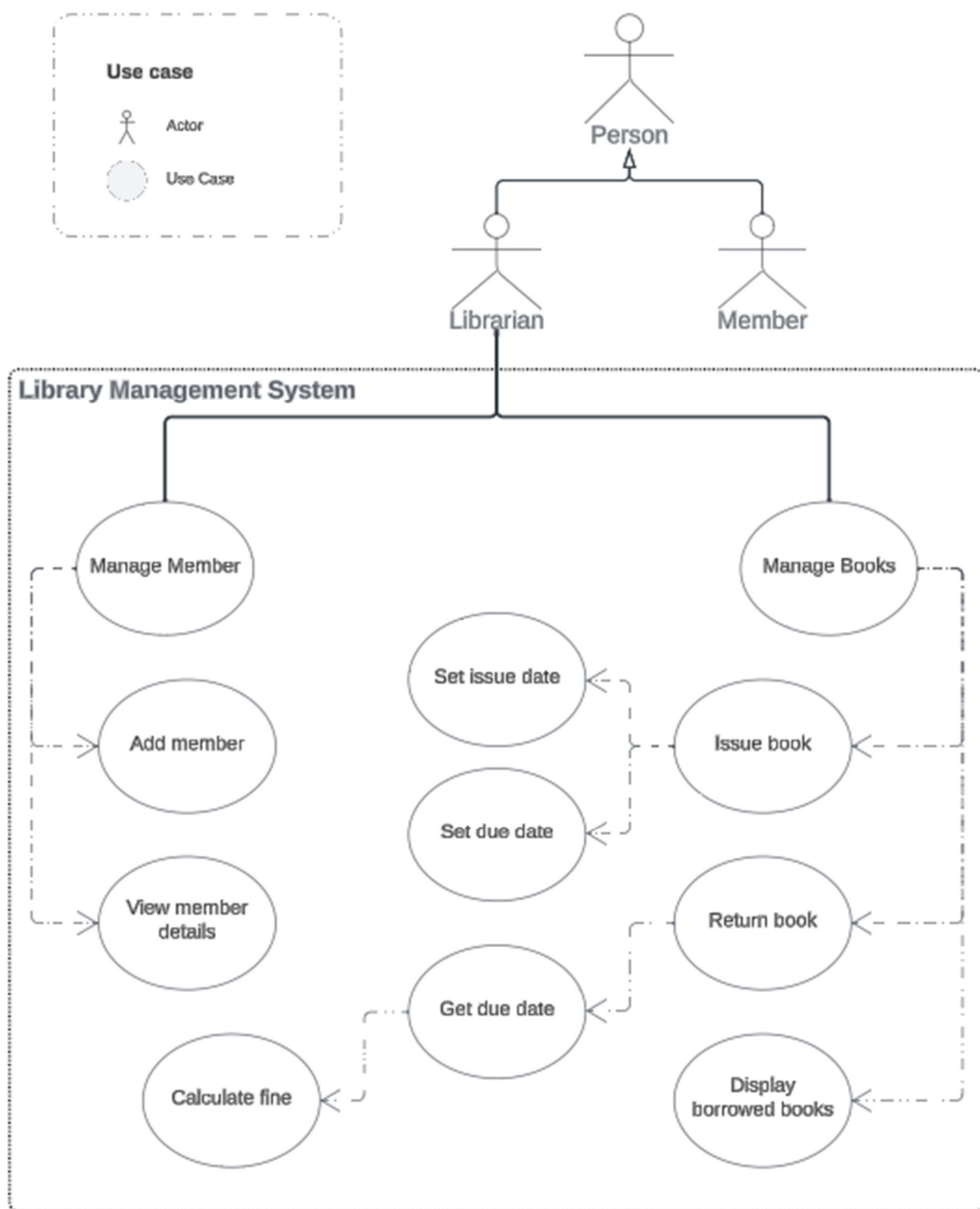
CST2550 -- COURSEWORK1**UML Class Diagram for Library Management System**

Figure 1: The UML class diagram for the library system.

Use Cases Diagram

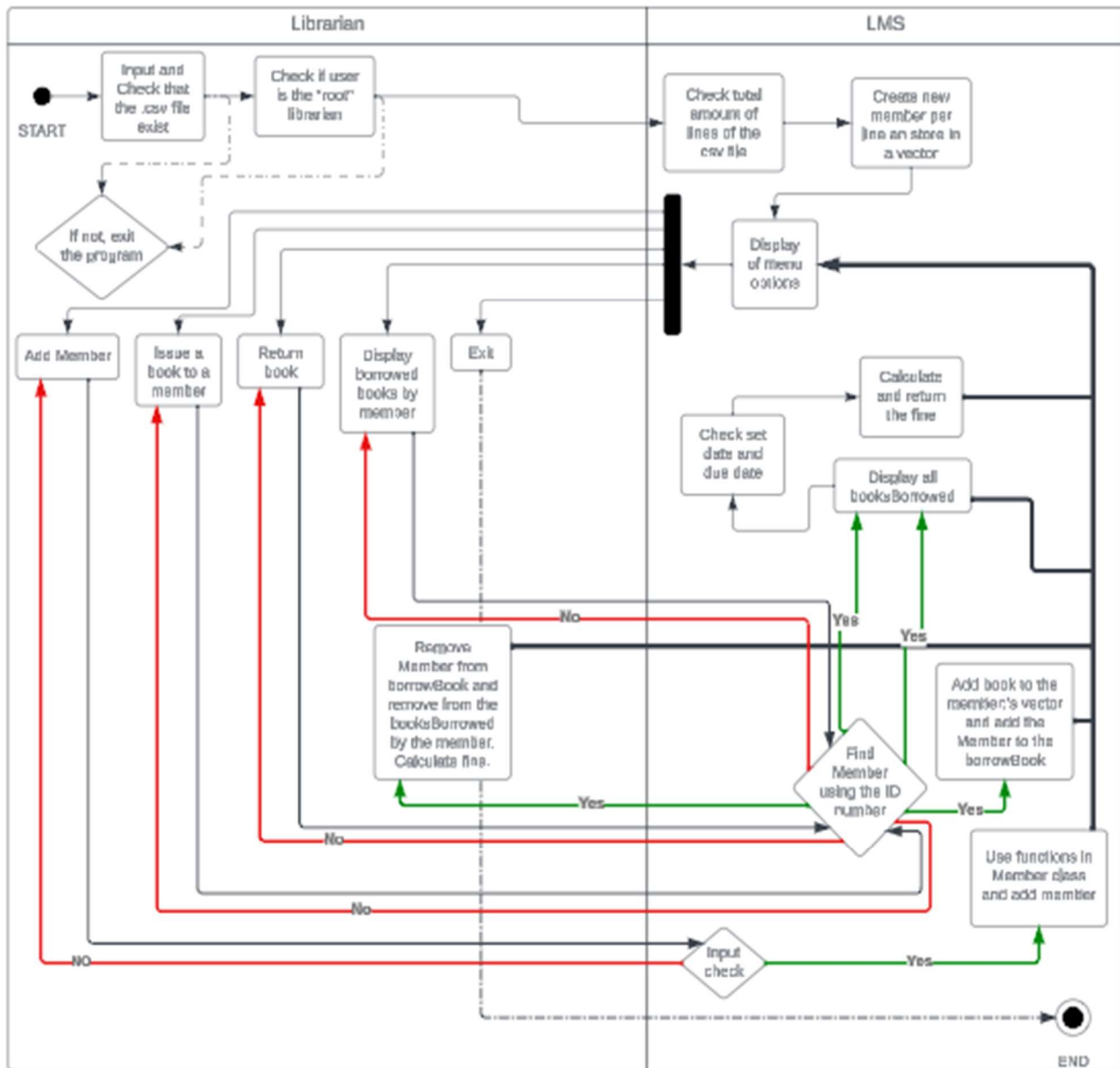


Activity Diagram

ACTIVITY DIAGRAM

Diagram key

- Start
- ✱ End
- ◇ Decision
- Process



GitHub commits

ST2550---Coursework1 / Add file ...

MrRincon

test.cpp file added and makefile updated

3189e47 · 22 minutes ago

History

Name	Last commit message	Last commit date
diagrams	UML Class Diagram added again	3 hours ago
librarySystem	test.cpp file added and makefile updated	22 minutes ago
LICENSE	Initial commit	3 days ago
README.md	Updating README.md file	3 days ago

Commits on Jan 12, 2024

test.cpp file added and makefile updated	MrRincon committed 18 minutes ago	3189e47			
test.cpp file added and makefile updated	MrRincon committed 44 minutes ago	d7e4386			
catch.hpp file added	MrRincon committed 2 hours ago	3ce8f48			
Adding student ID number in the comments and checking the code guidelines	MrRincon committed 2 hours ago	a2d251a			
option menu rearranged, returning books and calculating fine done	MrRincon committed 3 hours ago	c814a79			

Commits on Jan 11, 2024

Input checks added and returning books borrowed by member complete	MrRincon committed 12 hours ago	b6624b1			
Adding member and Issuing book to member complete	MrRincon committed 13 hours ago	e8d7f93			

Commits on Jan 10, 2024

Reading from csv added	MrRincon committed 2 days ago	0b9abd2			
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Commits on Jan 8, 2024

Delete librarySystem/person.o	MrRincon committed 3 days ago	3aab688			
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MrRincon committed 12 hours ago

Commits on Jan 10, 2024

Reading from csv added	MrRincon committed 2 days ago	0b9abd2			
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Commits on Jan 8, 2024

Delete librarySystem/person.o	MrRincon committed 3 days ago	3aab688			
Delete librarySystem/member.o	MrRincon committed 3 days ago	5a5a6a7			
Delete librarySystem/librarian.o	MrRincon committed 3 days ago	66d515e			
Delete librarySystem/book.o	MrRincon committed 3 days ago	f9a8664			
Creating the makefile and the main.cpp	MrRincon committed 3 days ago	978b6f6			
Creating the .h and .cpp files for Book class	MrRincon committed 3 days ago	2226273			
Creating the .h and .cpp files for Member class	MrRincon committed 3 days ago	2f05637			
Creating the .h and .cpp files for Librarian class	MrRincon committed 3 days ago	ee8ad0d			
Creating the .h and .cpp files for Person class	MrRincon committed 3 days ago	36aefb3			
Adding the csv file with the books	MrRincon committed 3 days ago	3f8c129			

End of commit history for this file

Conclusion

- Uses of diagrams.
- Version control and GitHub.
- The use of a makefile.
- There were few limitations.
- Future approach for this type of project.