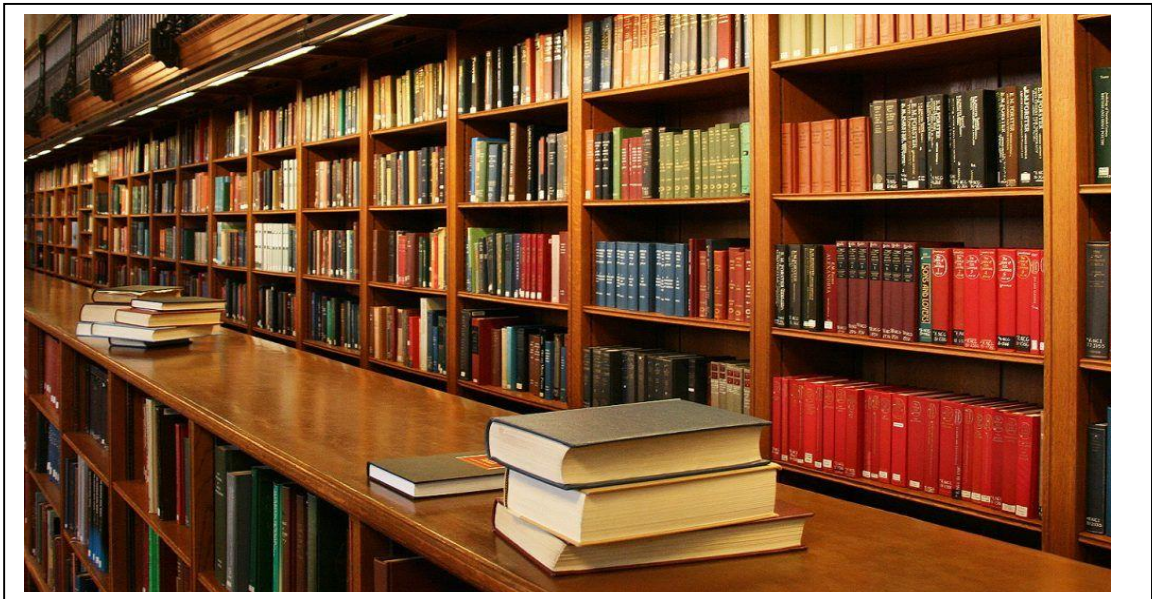# TEST PLAN

DSA PROJECT

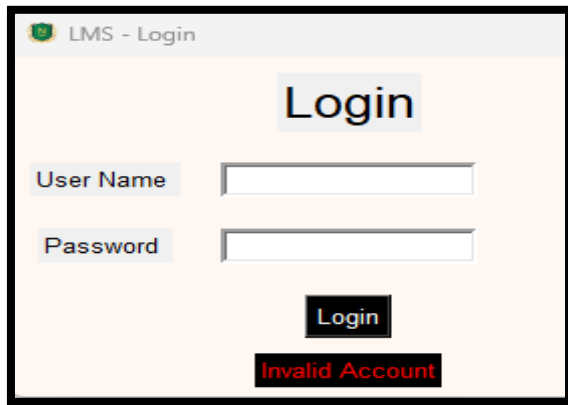# *LIBRARY MANGEMENT SYSTEM*

Fahim Ur Rehman Shah

NIM-BSEE-2021-21

Submitted to :

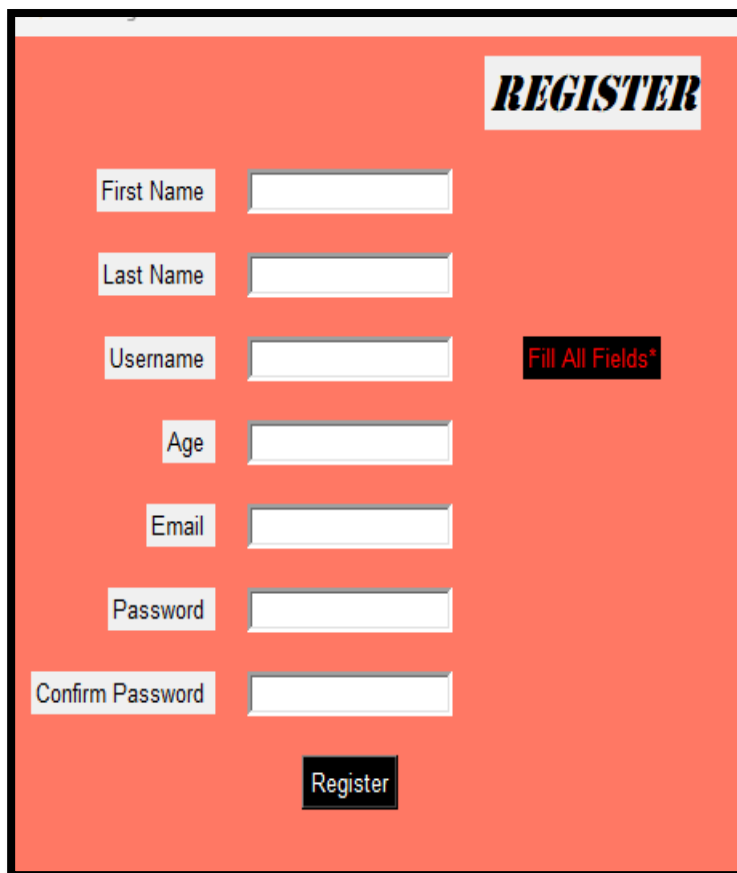*Mam . Naureen Shaukat*

1. Login Test :

- If the user name or the password is incorrect, the error message will be displayed

  Invalid Account

- If both are correct then the user will be login

2. Register Test

- If any of the field is empty then the error message will be displayed .

  Fill All Fields*

- If password and the the confirmed password is not same then the message will be displayed that the password is mismatched

  Password doesnt matched!
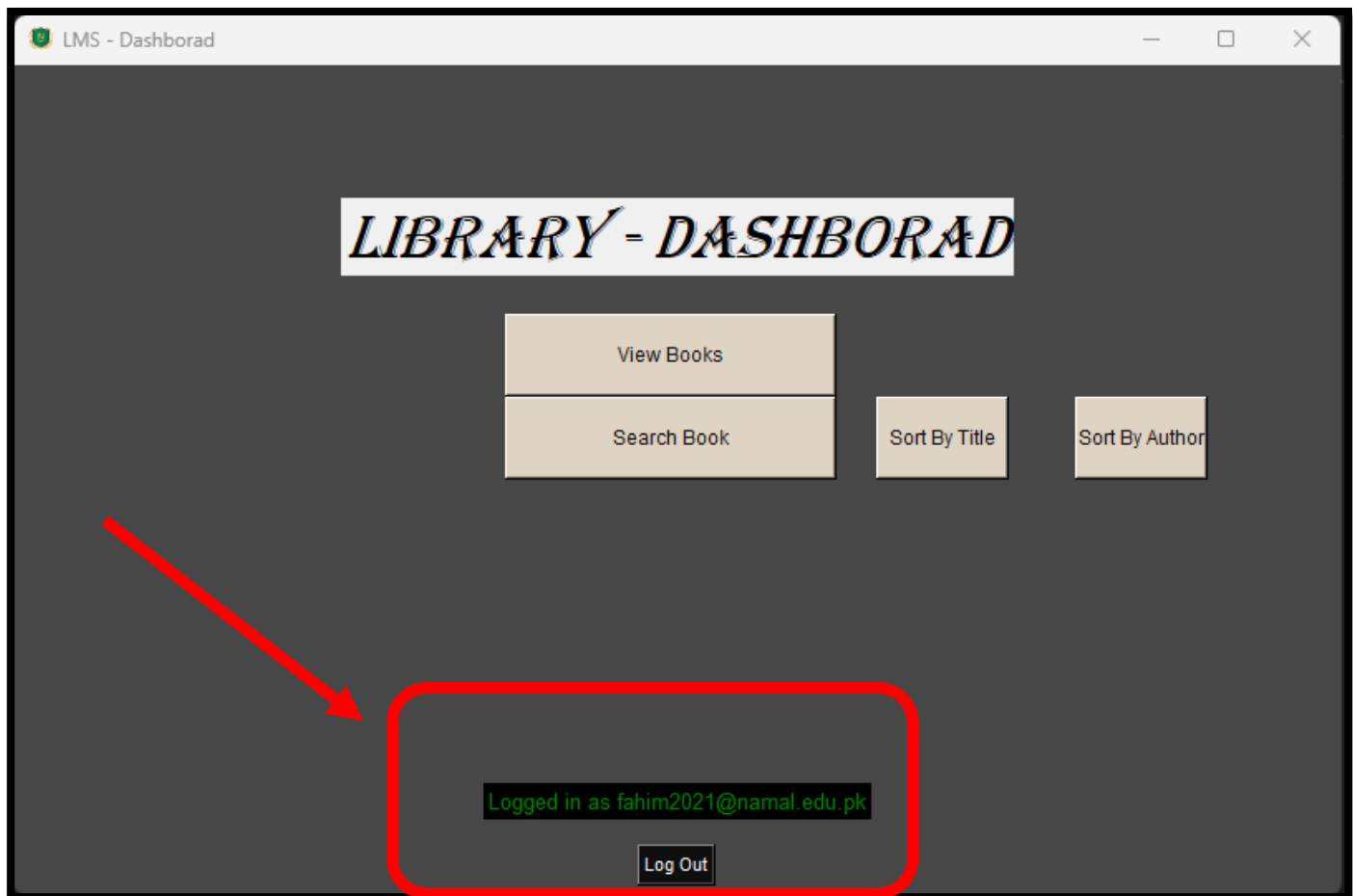
- If user already exist

  Name Taken

- If all the fields are correct then account will be registerd and the account data will be stored in the account folder

  Account has successfully been created!

3. Accounts in the account folder

4. View Book test :

S.No	Book Name	Author	Subject	Edition
1	Book Name	Author Name	Subject	Edition
2	Algorithms	Thomas H. Cormen Charles E. Leisers	Algorithms	3rd
3	Communication Systems	Bernard Sklar	Communication Systems	6th
4	Computer Networks	Andrew S. Tanenbaum and Maarten	Computer Networks	5th
5	Computer Organization and Design	David A. Patterson and John L. Henn	Computer Architecture	5th
6	Computer Vision: Algorithms and Ap	David Lowe	Computer Vision	2nd
7	Data Structures and Algorithms in Py	Michael T. Goodrich and Roberto Tar	Data Structures	4th
8	Deep Learning	Ian Goodfellow Yoshua Bengio and A	Deep Learning	1st
9	Digital Signal Processing	John G. Proakis and Dennis H. Mano	Signal Processing	4th
10	Discrete Mathematics with Applicatic	Kenneth H. Rosen	Discrete Mathematics	8th
11	Electric Circuits	James W. Nilsson and Susan A. Riede	Electrical Engineering	10th
12	Electrical Engineering: Principles and	Stephen W. Smith	Electrical Engineering	6th
13	Electromagnetics: Foundations and A	John D. Kraus and Ronald J. Marhefk	Electromagnetics	9th
14	Fundamentals of Electrical Engineeri	Charles Alexander and Matthew Sadi	Electrical Engineering	5th
15	Introduction to Logic Design	Morris Mano and Michael Morris	Digital Logic	4th
16	Introduction to Probability and Statis	Jay L. Devore	Probability	9th
17	Linear Algebra with Applications	Gilbert Strang	Linear Algebra	5th
18	Machine Learning	Andrew Ng	Machine Learning	1st
19	Microelectronic Circuits	Albert Malvino and David P. Brown	Electronics	8th

5. Sort Books by Author Name :

Books are sorted by Author Name

LMS - View Books

All Available Books

S.N	Book Name	Author	Subject	Edition
1	Book Name	Author Name	Subject	Edition
2	Microelectronic Circuits	Albert Malvino and David P. Brown	Electronics	8th
3	Machine Learning	Andrew Ng	Machine Learning	1st
4	Operating Systems: Principles and Pr	Andrew S. Tanenbaum and Herbert B	Operating Systems	3rd
5	Computer Networks	Andrew S. Tanenbaum and Maarten	Computer Networks	5th
6	Communication Systems	Bernard Sklar	Communication Systems	6th
7	VLSI Design: Principles Techniques	Carl Mead and Michael A. Conway	VLSI Design	3rd
8	Fundamentals of Electrical Engineeri	Charles Alexander and Matthew Sadi	Electrical Engineering	5th
9	Computer Organization and Design	David A. Patterson and John L. Henn	Computer Architecture	5th
10	Computer Vision: Algorithms and Ap	David Lowe	Computer Vision	2nd
11	The Art of Computer Programming	Donald Knuth	Computer Science	4th
12	Linear Algebra with Applications	Gilbert Strang	Linear Algebra	5th
13	The Design of Computer Programs	Harold Abelson and Gerald Jay Sussm	Programming	3rd
14	Deep Learning	Ian Goodfellow Yoshua Bengio and A	Deep Learning	1st
15	Electric Circuits	James W. Nilsson and Susan A. Riede	Electrical Engineering	10th
16	Introduction to Probability and Statis	Jay L. Devore	Probability	9th
17	Electromagnetics: Foundations and A	John D. Kraus and Ronald J. Marhefk	Electromagnetics	9th
18	Digital Signal Processing	John G. Proakis and Dennis H. Mano	Signal Processing	4th
19	Principles of Electric Machines and P	Joseph R. Evans and Farid A. Al-Amin	Power Engineering	8th
20	Discrete Mathematics with Applicatio	Kenneth H. Rosen	Discrete Mathematics	8th
21	Data Structures and Algorithms in Py	Michael T. Goodrich and Roberto Tan	Data Structures	4th
22	Introduction to Logic Design	Morris Mano and Michael Morris	Digital Logic	4th

6. Sort Books by Title Test:

Books are sorted by Book Title

7. Search Book Test :

LMS - Search Books

Searched Books

1 :: Book Name [Fundamentals of Electrical Engineering] By [Charles Alexander and Matthew Sadiku] :: su

Book Name for search	fun
Author Name for search	
Subject for search	
Edition for search	

Submit Clear

LMS - Search Books

Searched Books

1 :: Book Name [Electric Circuits] By [James W. Nilsson and Susan A. Riedel] :: subject : [Electrical Engine
2 :: Book Name [Electrical Engineering: Principles and Applications] By [Stephen W. Smith] :: subject : [El ec
3 :: Book Name [Electromagnetics: Foundations and Applications] By [John D. Kraus and Ronald J. Marhefka
4 :: Book Name [Fundamentals of Electrical Engineering] By [Charles Alexander and Matthew Sadiku] :: sub
5 :: Book Name [Microelectronic Circuits] By [Albert Malvino and David P. Brown] :: subject : [Electronics
6 :: Book Name [The Art of Electronics] By [Paul Horowitz and Winfield Hill] :: subject : [Electronics] , Editio

Book Name for search	
Author Name for search	
Subject for search	elec
Edition for search	

Submit Clear

Searched Books

1 :: Book Name [Algorithms] By [Thomas H. Cormen Charles E. Leiserson: Ronald L. Rivest:and Clifford Stein] :: subject : [Algorithms] , Edition :(3rd) ::
2 :: Book Name [Operating Systems: Principles and Practice] By [Andrew S. Tanenbaum and Herbert Bos] :: subject : [Operating Systems] , Edition :(3rd) ::
3 :: Book Name [The Art of Electronics] By [Paul Horowitz and Winfield Hill] :: subject : [Electronics] , Edition :(3rd) ::
4 :: Book Name [The Design of Computer Programs] By [Harold Abelson and Gerald Jay Sussman] :: subject : [Programming] , Edition :(3rd) ::
5 :: Book Name [VLSI Design: Principles Techniques and Applications] By [Carl Mead and Michael A. Conway] :: subject : [VLSI Design] , Edition :(3rd) ::

Book Name for search	
Author Name for search	
Subject for search	
Edition for search	3rd

Submit   Clear

ADMIN LOGIN

LIBRARY - DASHBORAD

View Books

Search Book

Add Book

Delete Book

Modify Book

Sort By Title

Sort By Author

Logged in as admin

Log Out

8. Add Book Test :

LMS - Add Books

Add Books

Data Structure By Ali :: subject : [DSA] , Edition :(2023)

Book Name	Data Structure
Writer	Ali	Book Added!
Subject	DSA
Year	2023

Clear   Submit

LMS - View Books

All Available Books

S.No	Book Name	Author	Subject	Edition
24	Principles of Electric Machines and	Joseph R. Evans and Farid A. Al-Ami	Power Engineering	8th
25	Principles of Power Electronics	Stephen W. Volk	Power Electronics	4th
26	Reinforcement Learning: An Introdu	Richard S. Sutton and Andrew G. Ba	Reinforcement Learning	2nd
27	Signals and Systems for Communic	Steven M. Kay	Signal Processing	4th
28	The Art of Computer Programming	Donald Knuth	Computer Science	4th
29	The Art of Electronics	Paul Horowitz and Winfield Hill	Electronics	3rd
30	The Design of Computer Programs	Harold Abelson and Gerald Jay Suss	Programming	3rd
31	VLSI Design: Principles Techniques	Carl Mead and Michael A. Conway	VLSI Design	3rd
32	Data Structure	Ali	DSA	2023

9.   Delete Book Test :
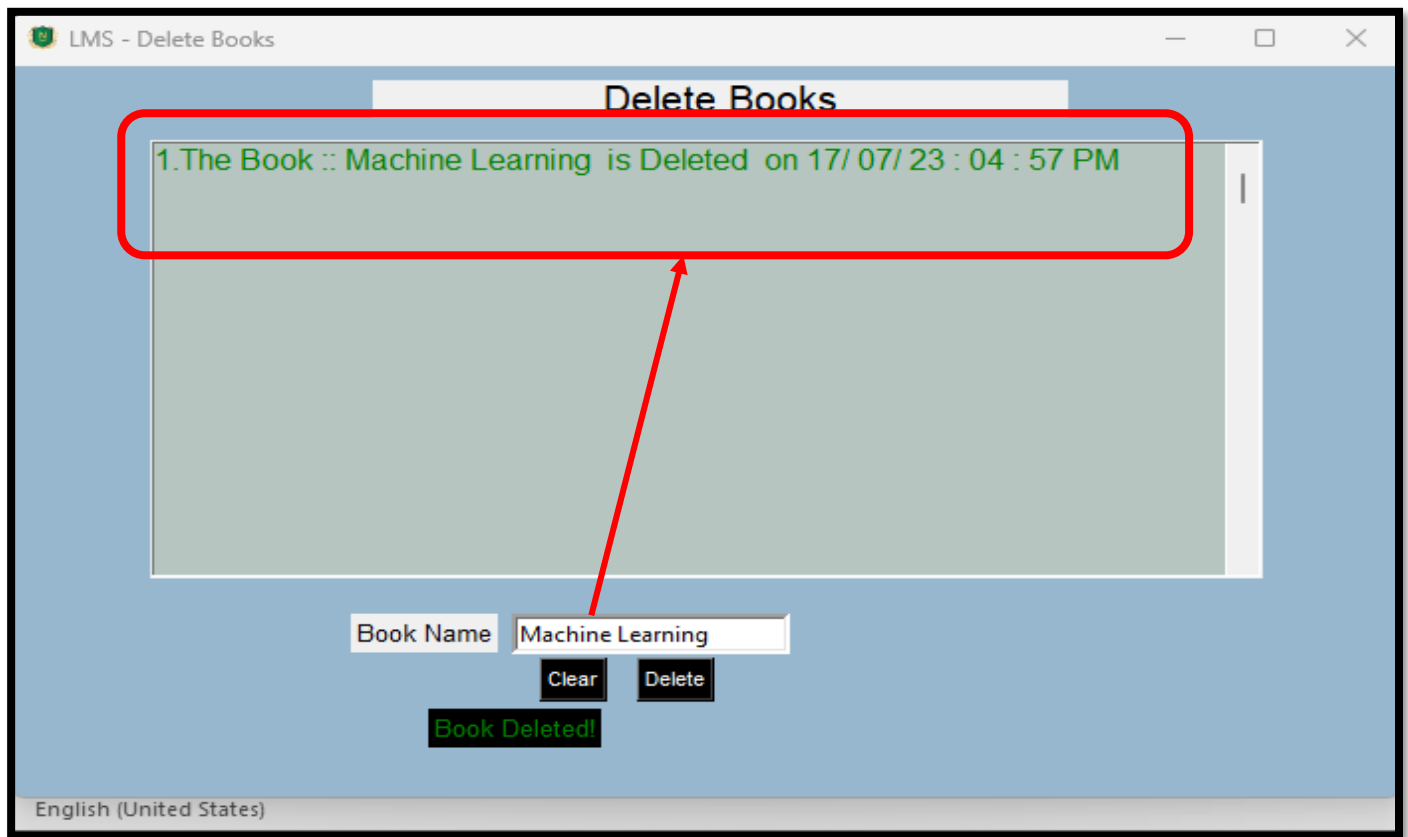
10.   Modify Book Test :
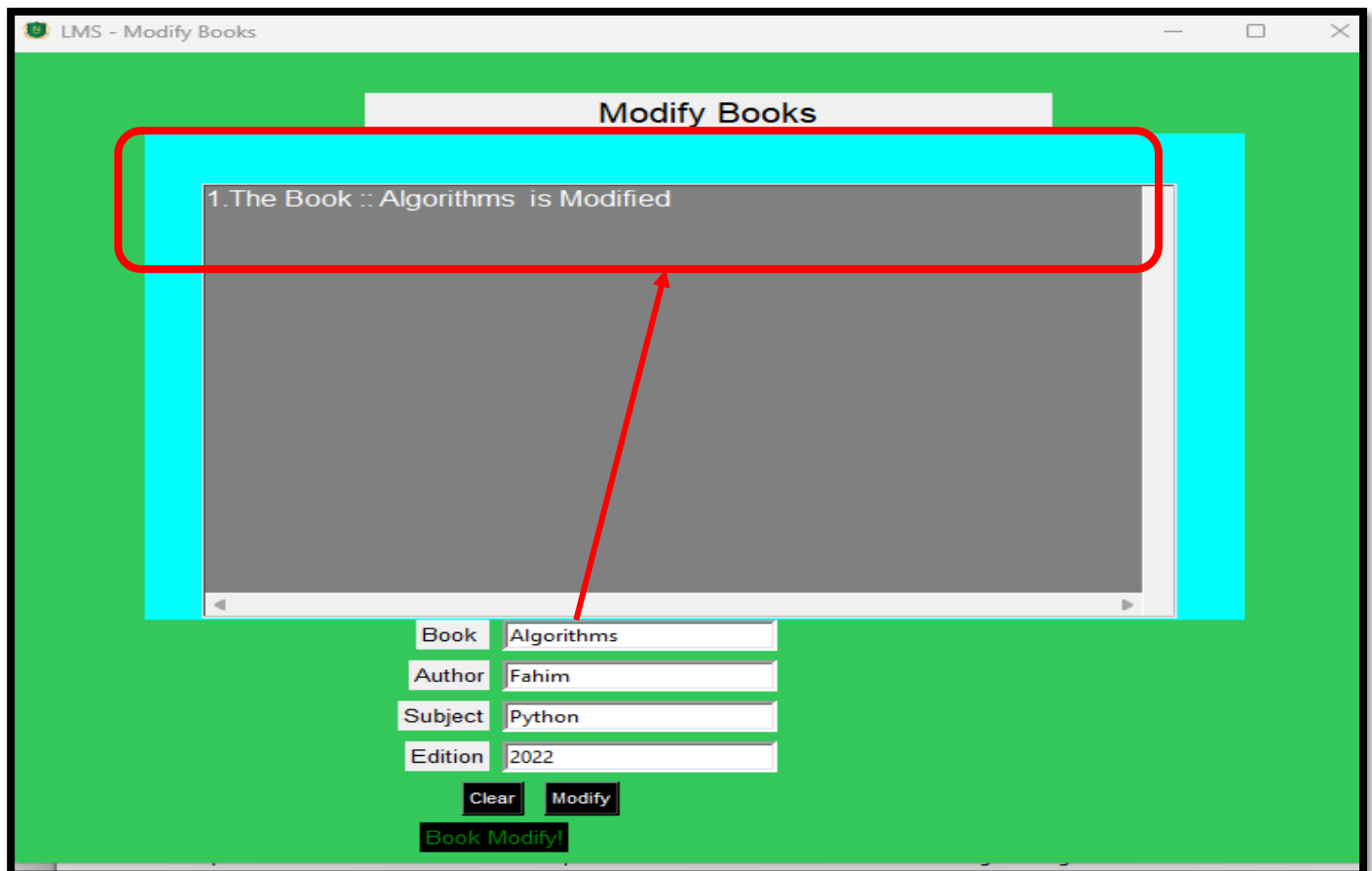
Before Modify :

S.No	Book Name	Author	Subject	Edition
1	Book Name	Author Name	Subject	Edition
2	Algorithms	Thomas H. Cormen Charles E. Leiser:	Algorithms	3rd
3	Communication Systems	Bernard Sklar	Communication Systems	6th

After Modify :

S.No	Book Name	Author	Subject	Edition
1	Book Name	Author Name	Subject	Edition
2	Algorithms	Fahim	Python	2022
3	Communication Systems	Bernard Sklar	Communication Systems	6th

END

THANKS