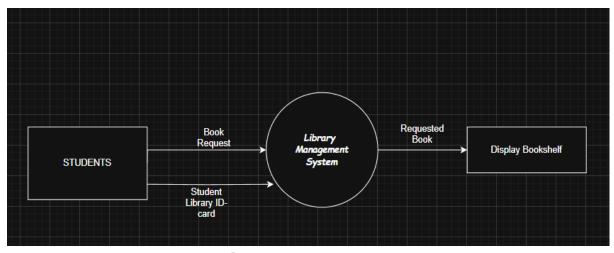
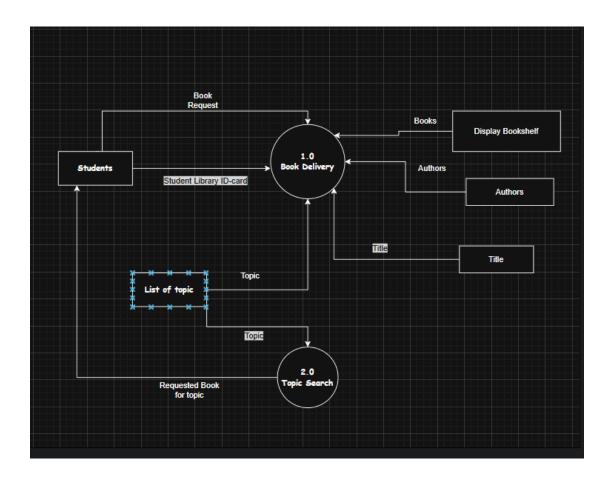
Project Title: Library Management System

Prepared by: Shah Pratham

Data Flow Diagram : Level o(Zero)

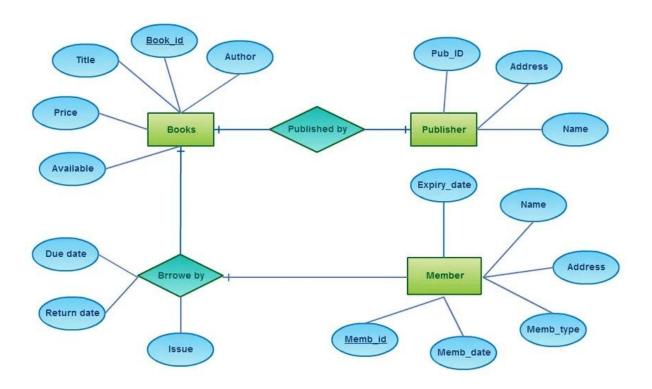


2. Data Flow Diagram: Level1



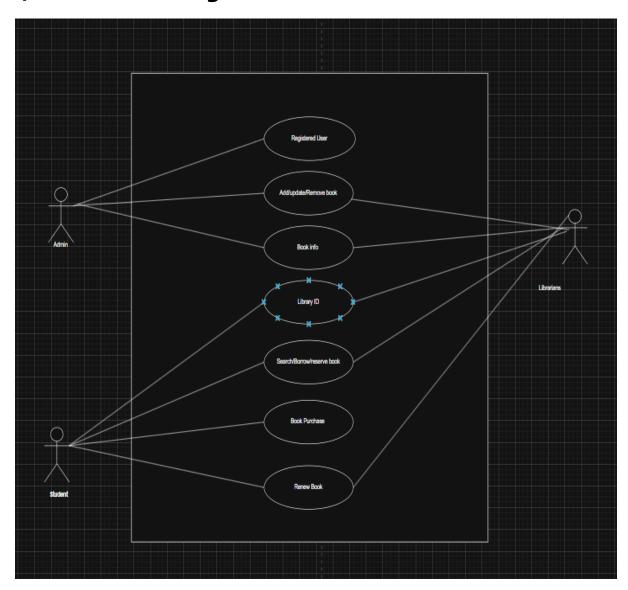
3. E-R Diagram

E-R Diagram of Library Management System



4.UML Diagram

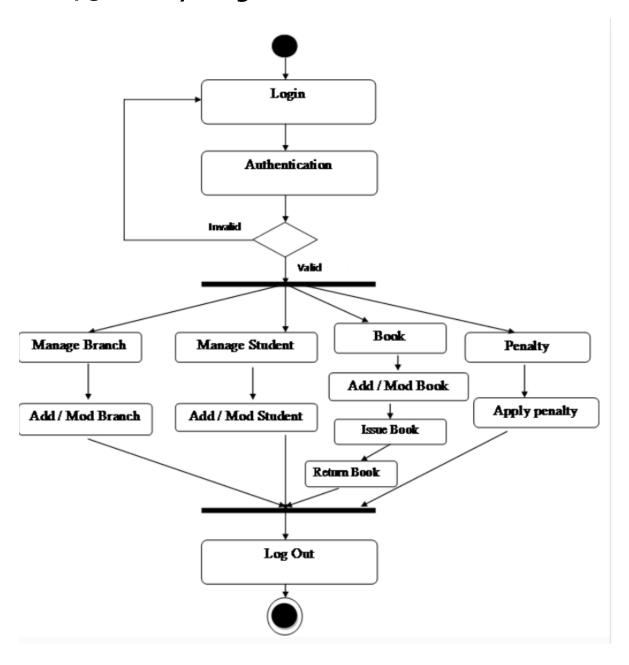
4.1 Use-Case Diagram



4.2 Sequence Diagram

uyer	Library System	Catalog	Book Database	Librarian
l	1	1	1	1
Login				
l	Validate			
l	T I	Check l	Jser>	
l	I	<succes< td=""><td></td><td></td></succes<>		
l	<success< td=""><td></td><td></td><td></td></success<>			
l	T I	T I	1	T I
Search Book				
l	Query Book			
l	1	Fetch E	Book>	
l	1	<result< td=""><td>ts</td><td></td></result<>	ts	
	<results< td=""><td> </td><td></td><td></td></results<>			
l	T I	1	1	1
Select Book				
l	Check Avai	l>		
l	1	Check A	\vail>	
l	I	<availa< td=""><td>able </td><td></td></availa<>	able	
l	<available< td=""><td></td><td></td><td></td></available<>			
l				
l	<book issue<="" td=""><td>ed</td><td></td><td></td></book>	ed		
<confirmati< td=""><td>on </td><td></td><td></td><td></td></confirmati<>	on			
l	I	1	1	1
Return Book				
		ırn		
	<confirm re<="" td=""><td>eturn</td><td></td><td></td></confirm>	eturn		
≺Return Suc	cessful-			
	T	I	l l	I
 Librarian	Library System	Catalog	Book Database	Buyer
Add Book De				
		' ord	·>	
		nsertion		
【 <book added<="" td=""><td>•</td><td>Ι (Ψ)</td><td></td><td></td></book>	•	Ι (Ψ)		

4.3Activity Diagram



4.4 Class Diagram

