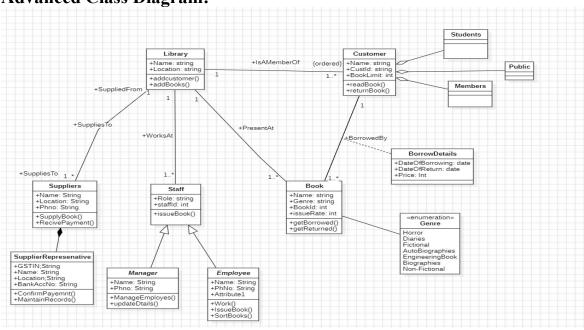
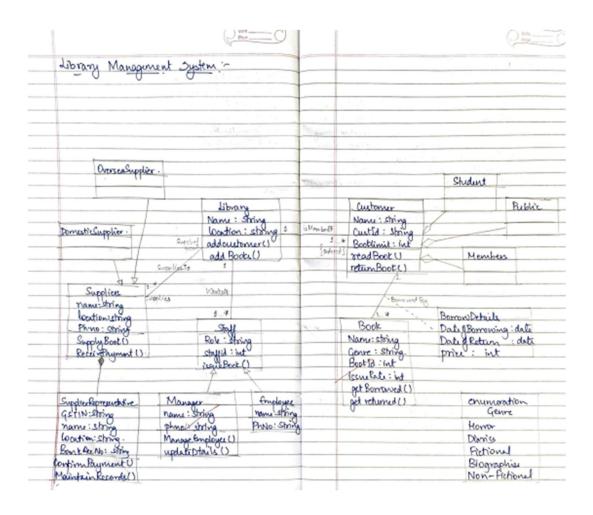
# 2. Library Management System

#### a. SRS Document:

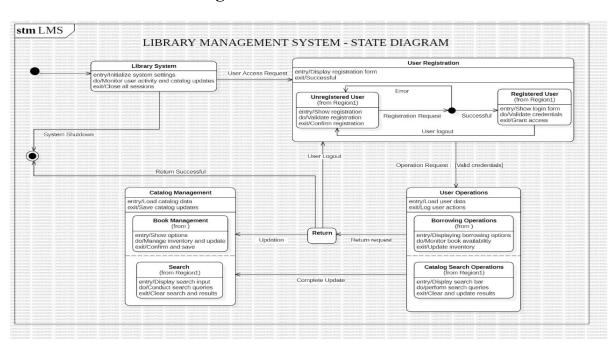
110/24	Duty Programmed		
	Library Management System:	<u>+.</u>	Interface requirement:
1.	Introduction:		- The system should have text Feild where they can search for a book
	1.1 Purpose of this document to provide		where they can cearch for a book
	mulght on dibrary management		- Dase The details of book like Title, author and description should be seen.
187.1	1.2 Scope of this document the document.		60
	provides description about Library	5	Performance Requirement:
	management system and it must	170	The system should not exceed 4 secs of
	management system and it must be correlated in 45 days.	4.	response time and must be able to run
	1.3 Overveiw:		on Egh and es6 gb ram and rom syste.
	The system keeps the track of people who have bonowed book with		0 0
15	who have borrowed book with		Mark an are demonstrated as
-	boots it and borrower ID.	6	Dougn constraints:
	a make it and		User-priendry UI and mongoDB should be
2.	General Description 7		used for database.
	borrower authorization: The Blow Librarain	-4	No. 1 May A service I is
177	should enter valid credential and	-	Non-functional requirement - The system must work on both macos
	defails of the bonrower that is	1	and windows.
	borrower JD, Book ID, Book Title, Date 4	100	- Accessible at all time
	robile number, grotum, and		The state of the s
	The suder of All and to an SMC	8	Preliminary Schedule and Budget:
	The system should generate on SMS reminder to the registered mobile number.	"	The project must be completed within
- 5	TOWNAGE THE TENESTER THOUSE MATRICE.		45 days.
8	Finational requirement:	-0	Estat Bridget is 100000.
	-> The librarain must be able to	)8	
	retrein the details of borower	30	2024
327	-> The libraran must be able to	V	
rad .	regreter a new wer-		
1	- The custom should have record of		
4	borrower and the availability of		
- 11	book . l		

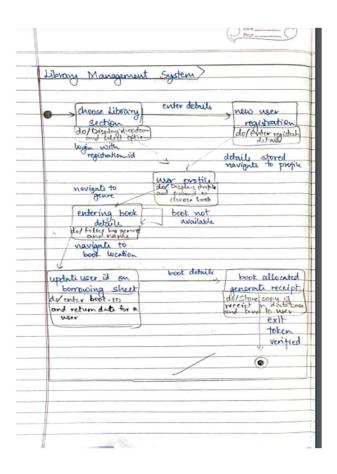
## b. Advanced Class Diagram:



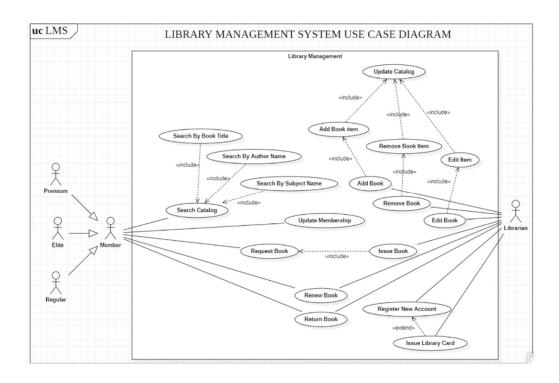


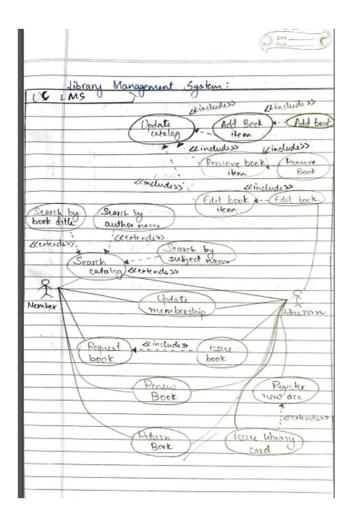
#### c. Advanced State Diagram:



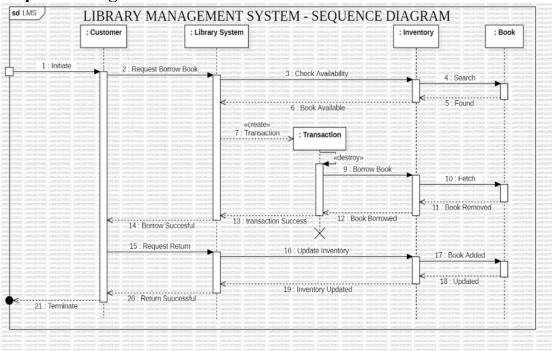


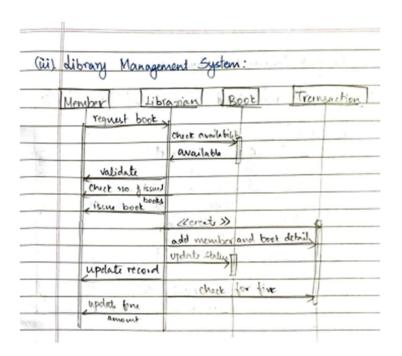
## d. Use Case Diagram:



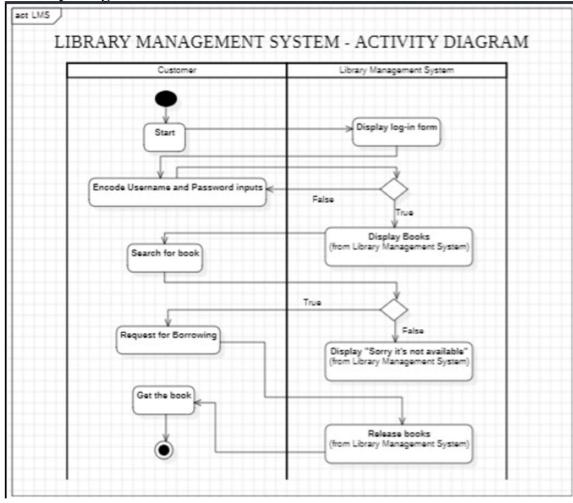


## e. Sequence Diagram:





f. Activity Diagram:



Curtomer	1. 10
automer	library managem
(Start)	display login
( C )	
Encode useryame	× >
	T.
Search Books	Display Box
CAT THE	
	The In
Request for	
bonowing	Display "Sony
	(not available)
[C.1.]	Dela sa
(Get the Book)	Selegie Book
6	

# 3. Credit Card Management System a. SRS Document:

	"
Credit card processing System:  Introduction  1.1 Purpose of this Document  To provide Insights on credit card processing systems requirements  and attribute and budget.  1.2 Coope of this document The closurant provides a comprehensive discription of the CCP and  it must be completed in 30 day	1 Interface requirement: The payment authorization must have text stilled for every over detail of the credit card. Transaction submission must have a simple buffering page. Status notification must display a static page saying it has forwarded. The interface must use feact pamework
1.3 Overreiso The grater allows burner to accept credit card payment from customers.	5. Performance Requirements The system should not exceed 4 sers of response time and misst be able to sown response time on 8 gb and 256 gb ram and rom system.
General Description Payment authorization: The customer should enter valid orderships Transaction subminister: The site must security connect with the respective bout status notification. The business site must be able to cend sus to registered	6. Design constraints The system must use only DFS algorithm for defecting the valid usest in the database and it must use only Node is 11.5 version.  7. Non-functional Attributs.
mobile.  Functional requirement  for credit card precising system must by implymental as succion and described  to the general description.  Maintain record history.  Process multiple transaction for efficiency.	The cyclon must work only an apple maces it name be compatible for all maces sensions and must use a DES encryption standard.  8 Prelimmany Schodule and Budget The project must be completed in 1 months of time and a total of Sook dollars &
2 wither first transaction.	To be alloted to it.