VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"JnanaSangama", Belgaum -590014, Karnataka.



LAB REPORT on

OBJECT ORIENTED MODELING AND DESIGN

Submitted by

DISHA N (1BM19CS051)

in partial fulfillment for the award of the degree of BACHELOR OF ENGINEERING
in
COMPUTER SCIENCE AND ENGINEERING



B.M.S. COLLEGE OF ENGINEERING
(Autonomous Institution under VTU)
BENGALURU-560019
April-2022 to July-2022

B. M. S. College of Engineering,

Bull Temple Road, Bangalore 560019

(Affiliated To Visvesvaraya Technological University, Belgaum)

Department of Computer Science and Engineering



CERTIFICATE

This is to certify that the Lab work entitled "OBJECT ORIENTED MODELING AND

DESIGN "carried out by **DISHA N** (**1BM18CS051**), who is bonafide student of **B. M. S.** College of Engineering. It is in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belgaum during the academic year 2021-2022. The Lab report has been approved as it satisfies the academic requirements in respect of an **OBJECT ORIENTED MODELING AND DESIGN - (20CS6PCOMD)** work prescribed for the said degree.

Sheetal V A Assistant Professor Department of CSE BMSCE, Bengaluru **Dr. Jyothi S Nayak** Professor and Head Department of CSE BMSCE, Bengaluru

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Index Sheet

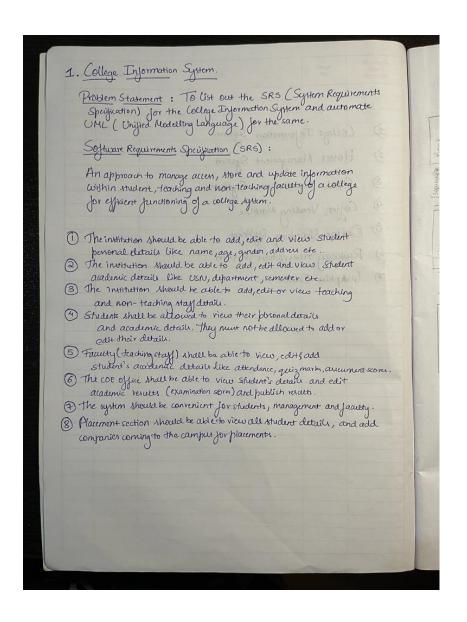
Sl.	Experiment Title	Page No.
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Course Outcome

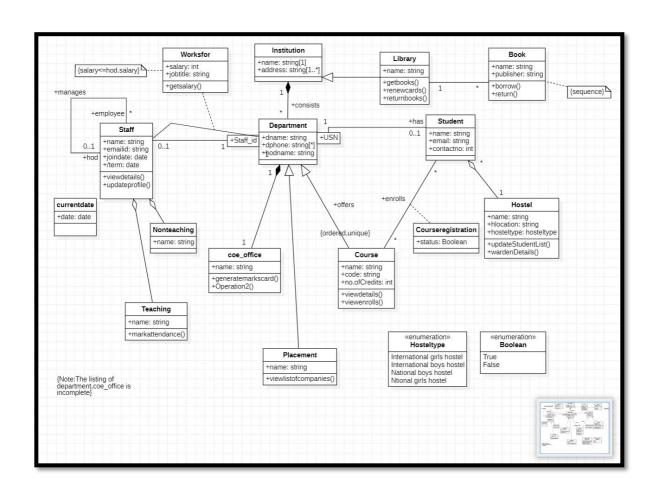
	Ability to conduct practical experiments to solve a given problem
CO4	using Unified Modeling language.

Exercise 1: College Information System

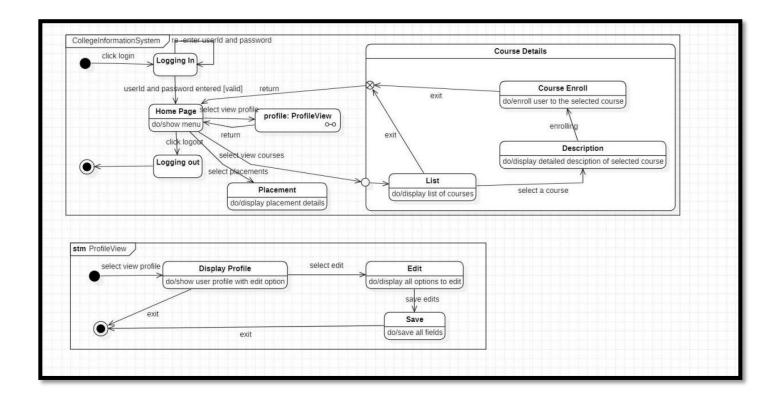
1. Write SRS



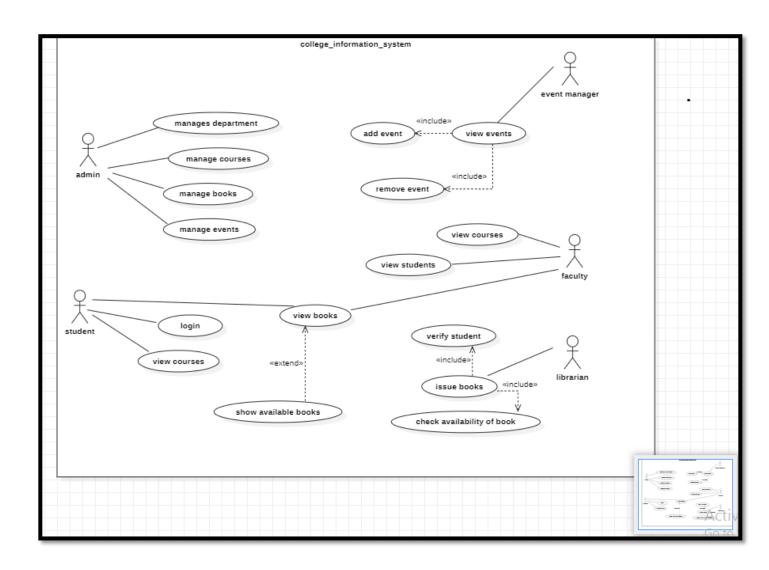
2. Draw the advanced class diagram



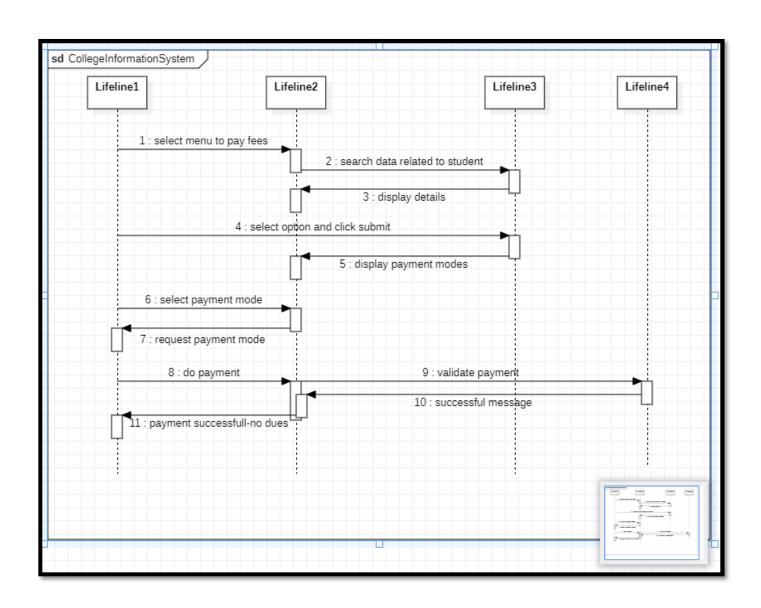
3. Draw the advanced state diagram



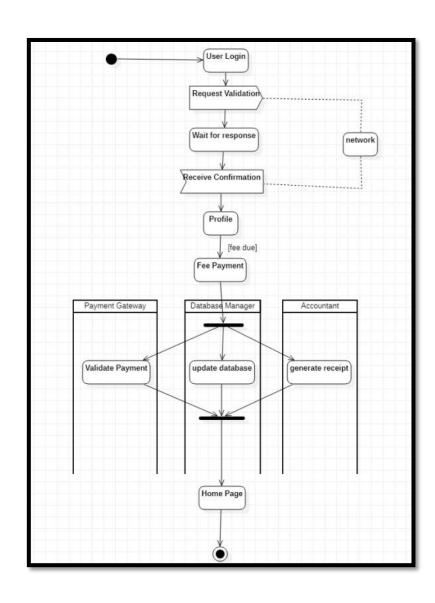
4. Draw the advanced use case diagram



5. Draw the advanced sequence diagram

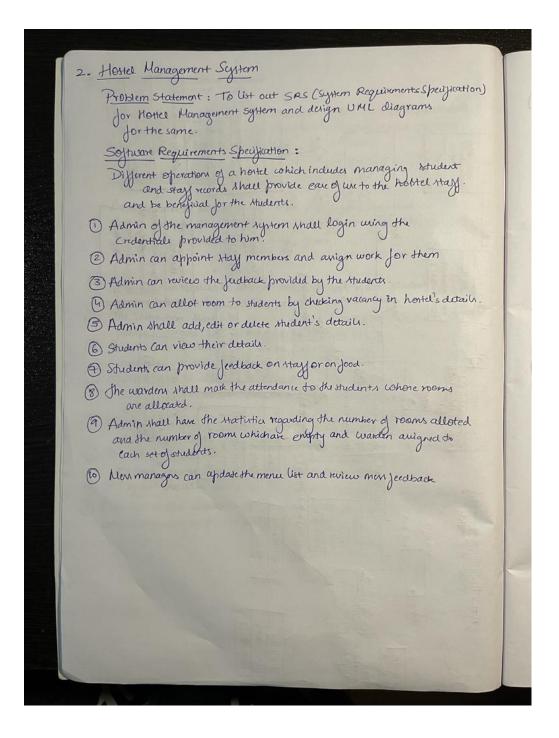


6. Draw the advanced activity diagram

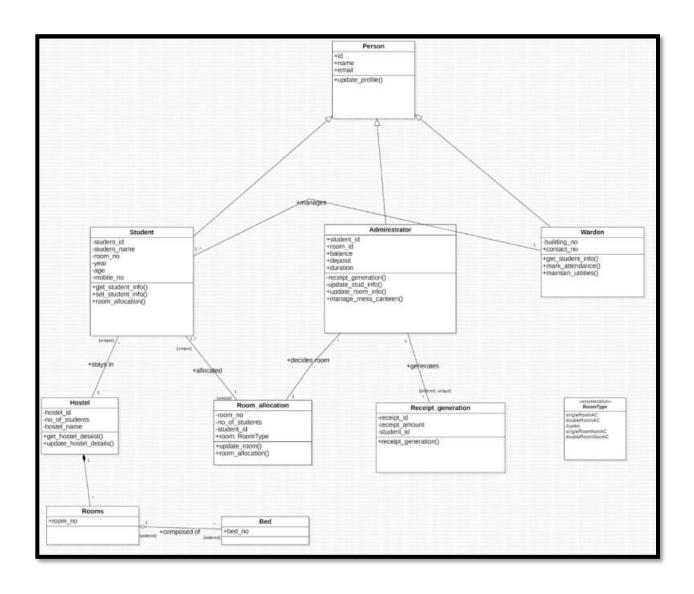


Exercise 2: Hostel Management System

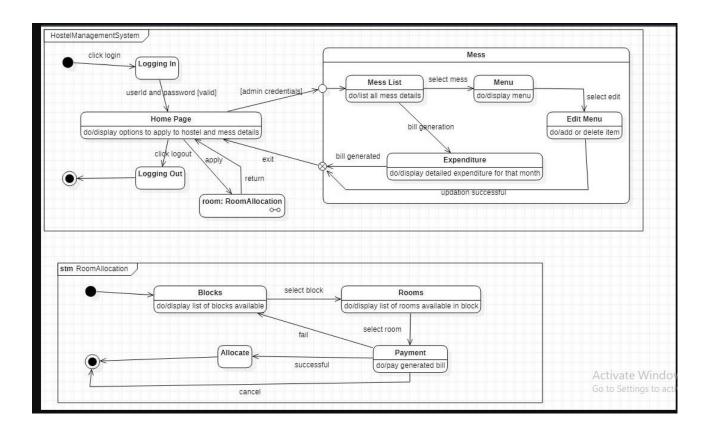
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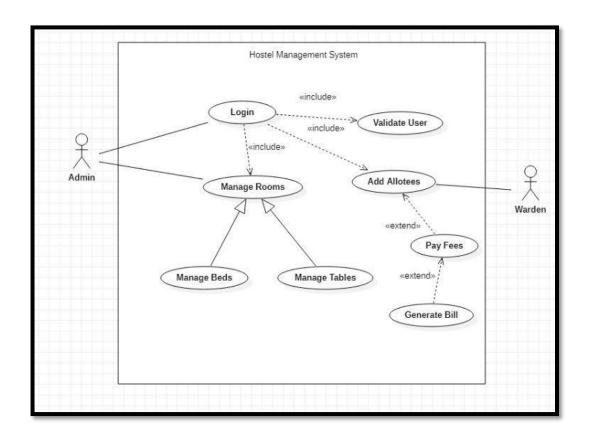
2. Draw the advanced class diagram



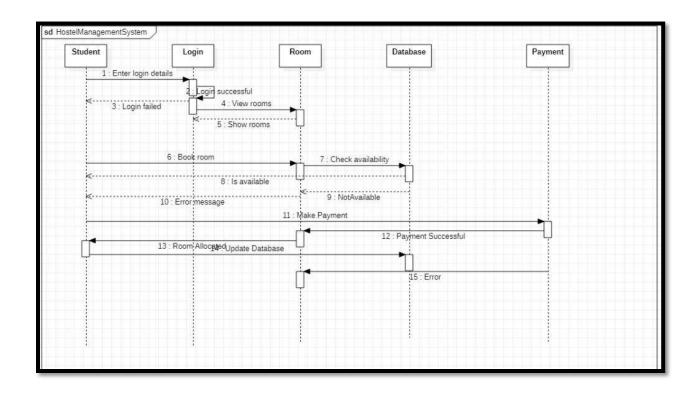
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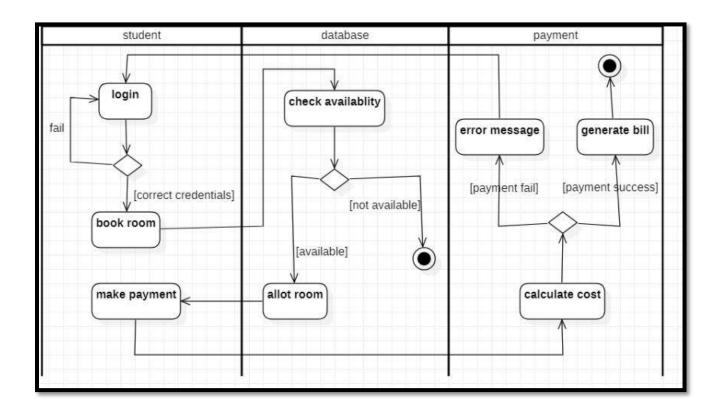
4. Draw the advanced use case diagram



5. Draw the advanced sequence diagram

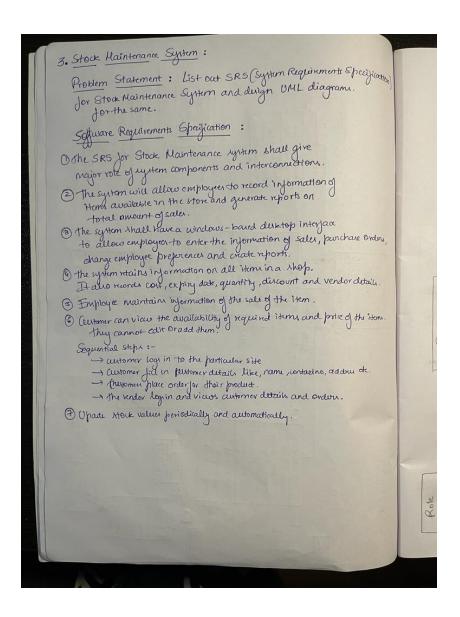


6. Draw the advanced activity diagram

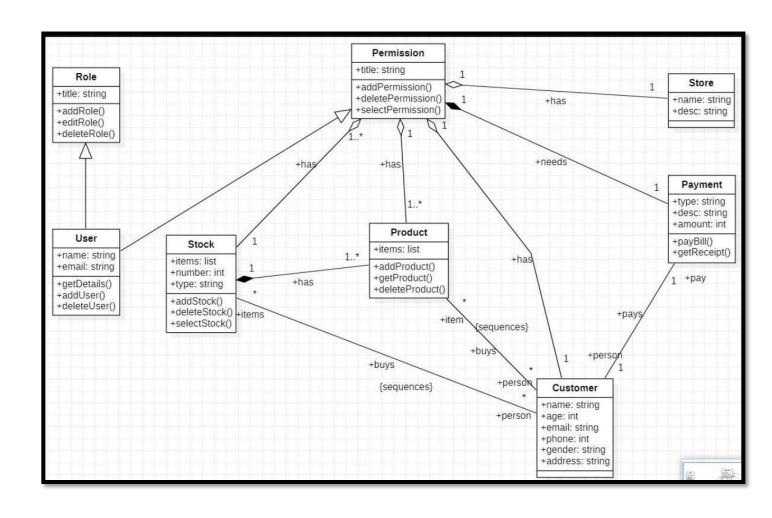


Exercise 3: Stock Management System

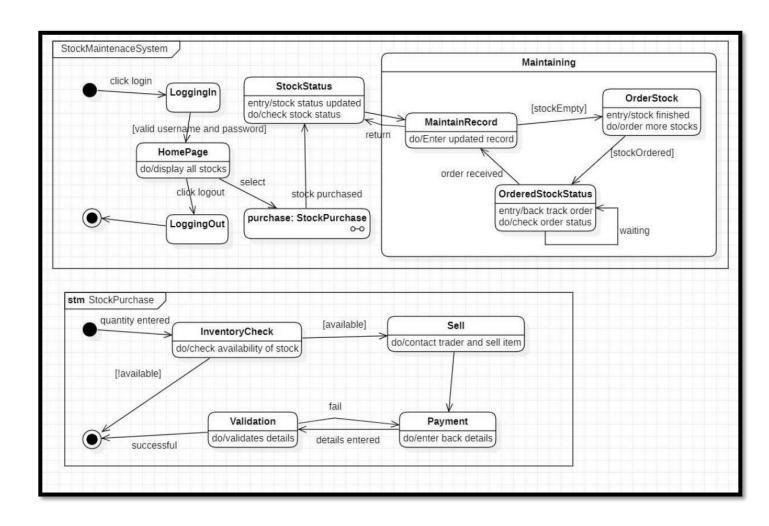
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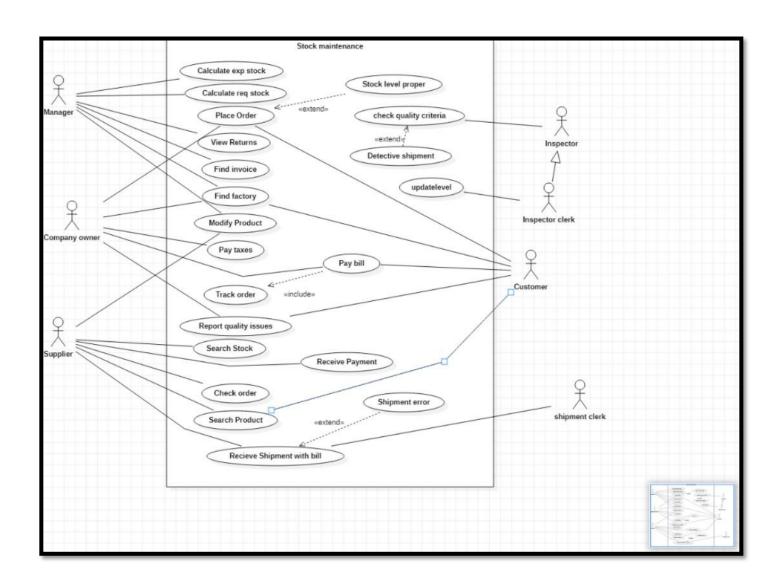
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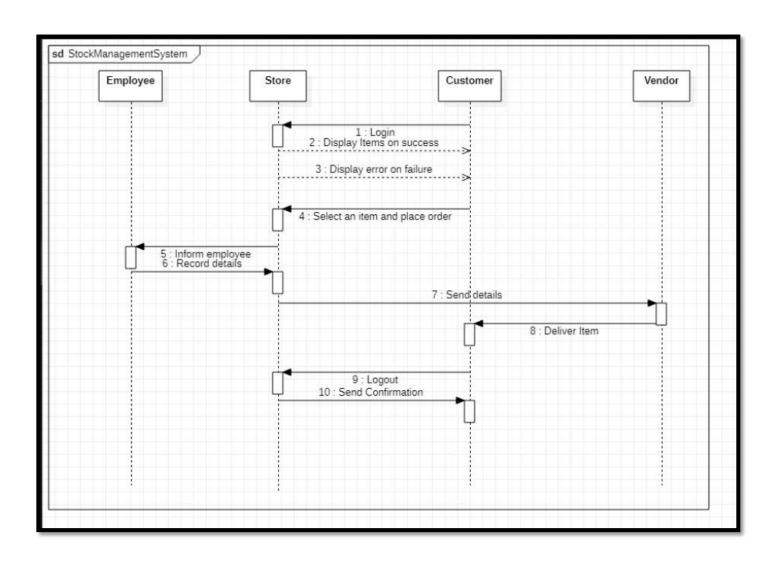
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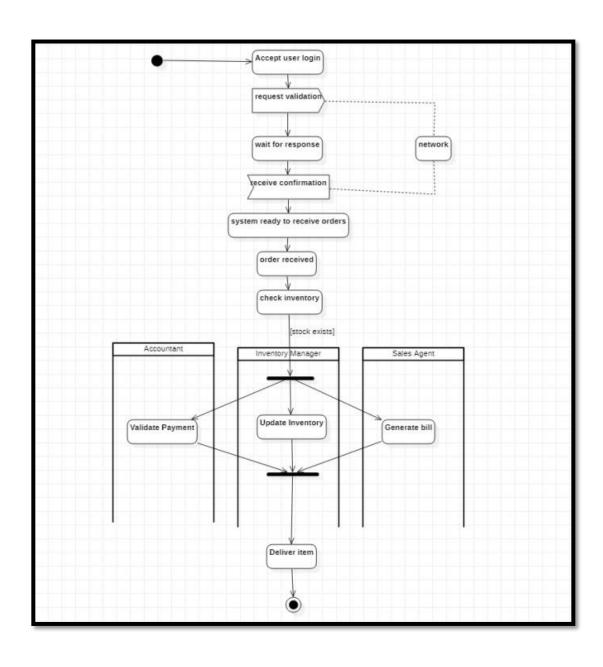
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5. Draw the advanced sequence diagram

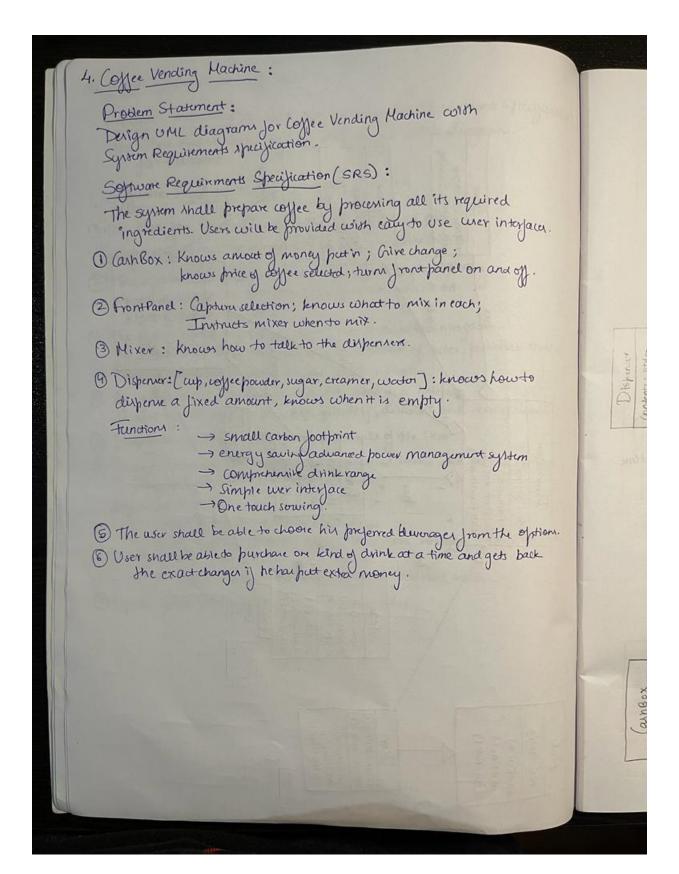


6. Draw the advanced activity diagram

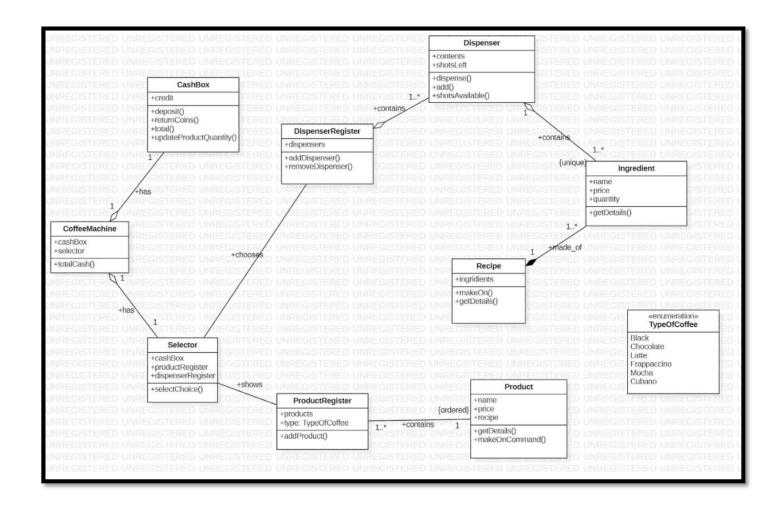


Exercise 4: Coffee Vending Machine

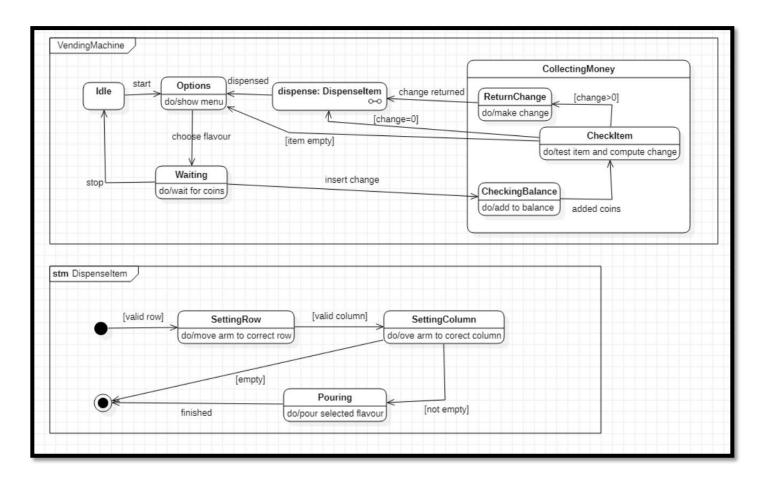
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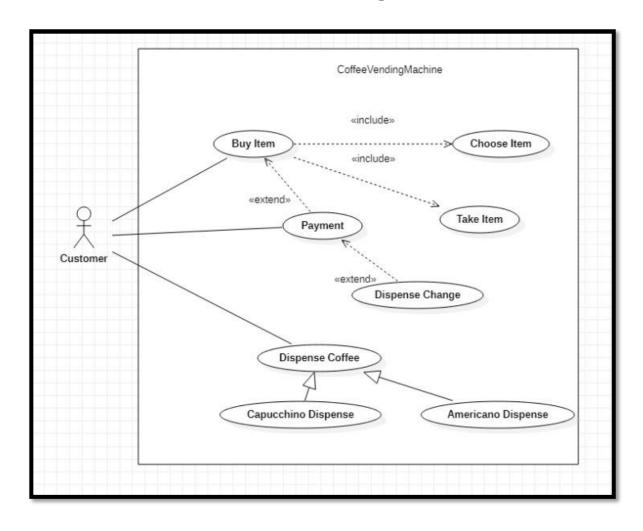
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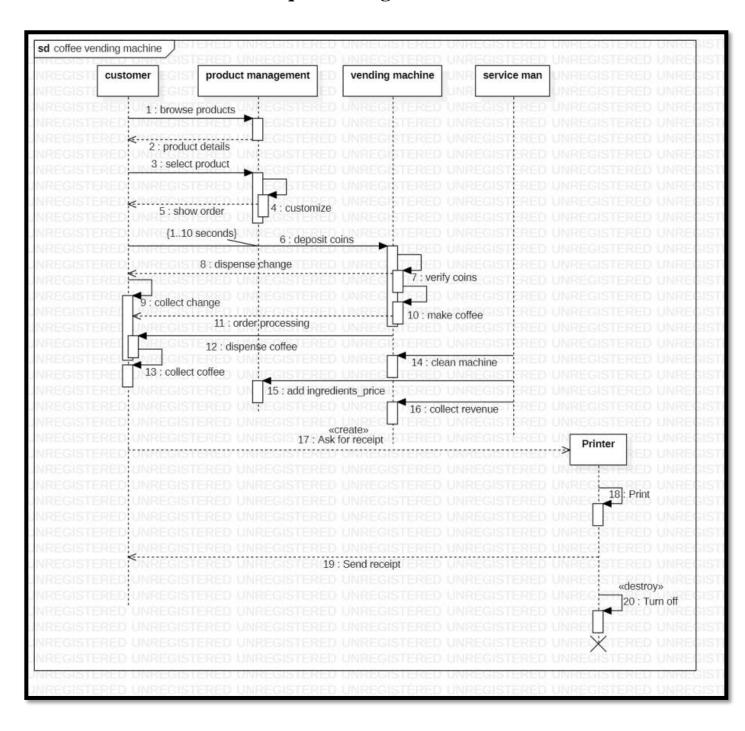
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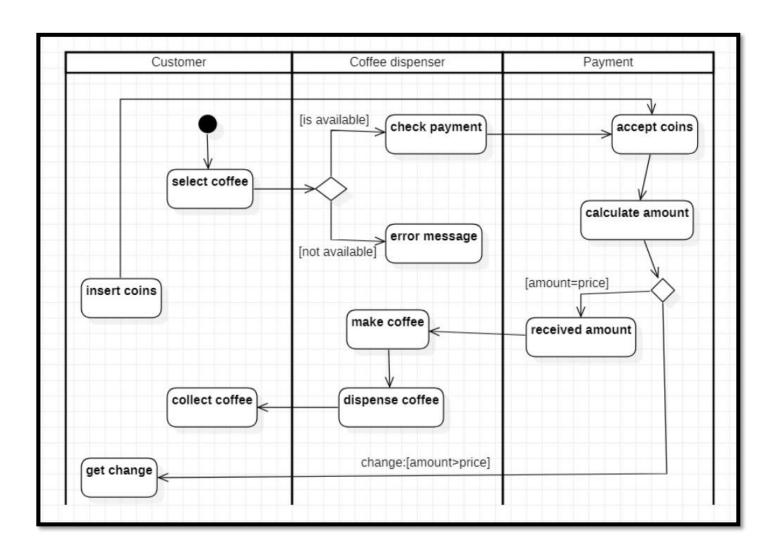
4. Draw the advanced use case diagram



5. Draw the advanced sequence diagram

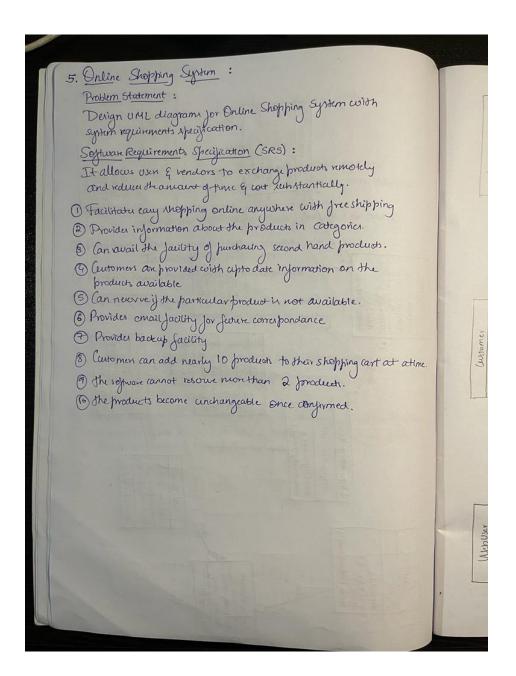


6. Draw the advanced activity diagram

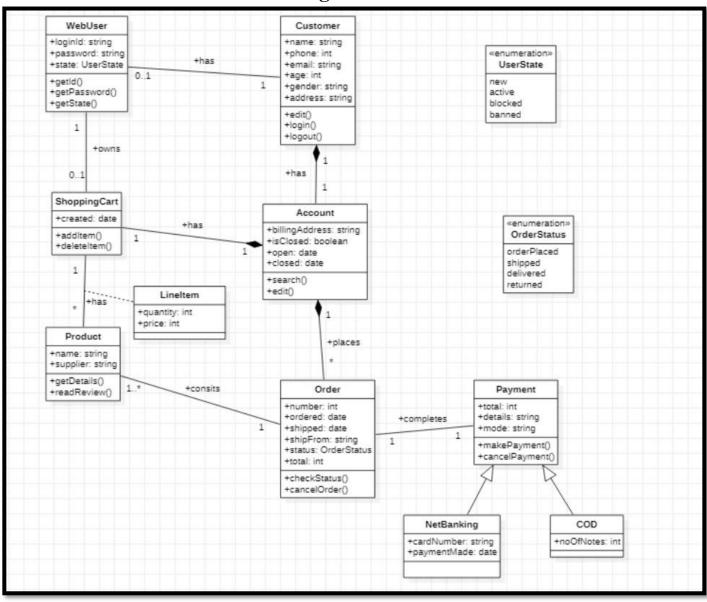


Exercise 5: Online Shopping System

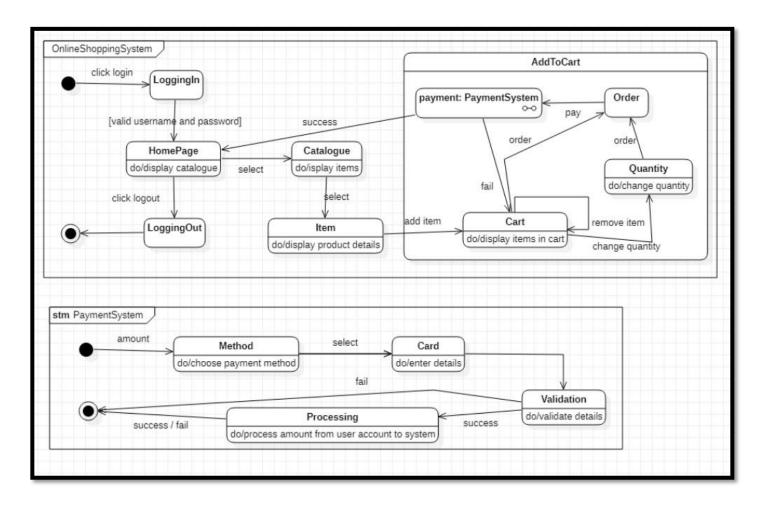
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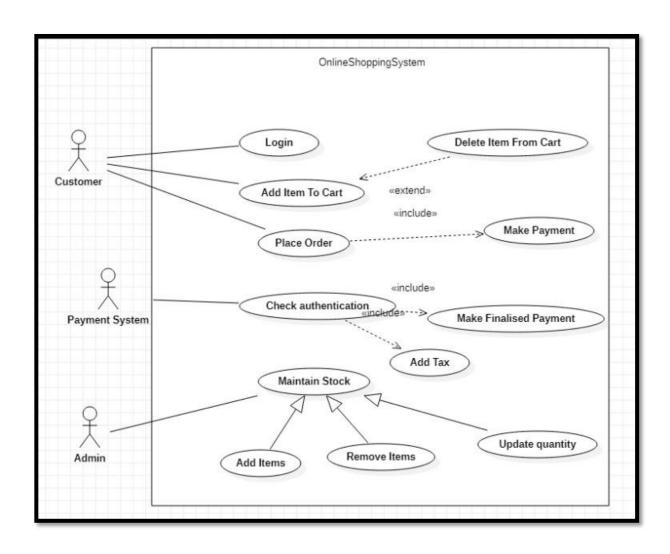
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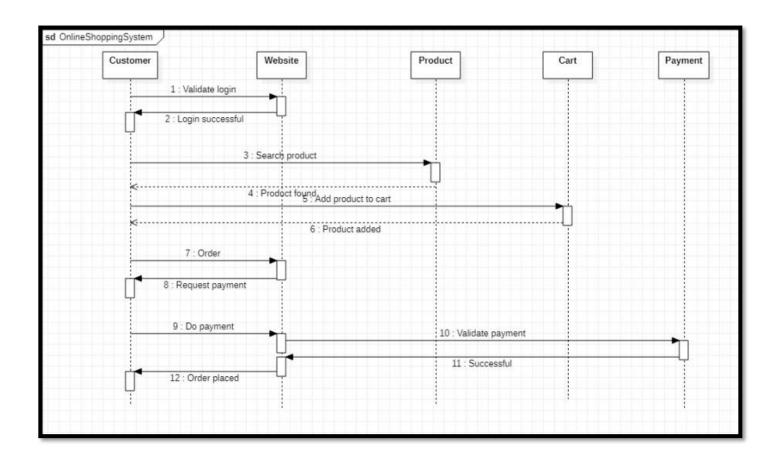
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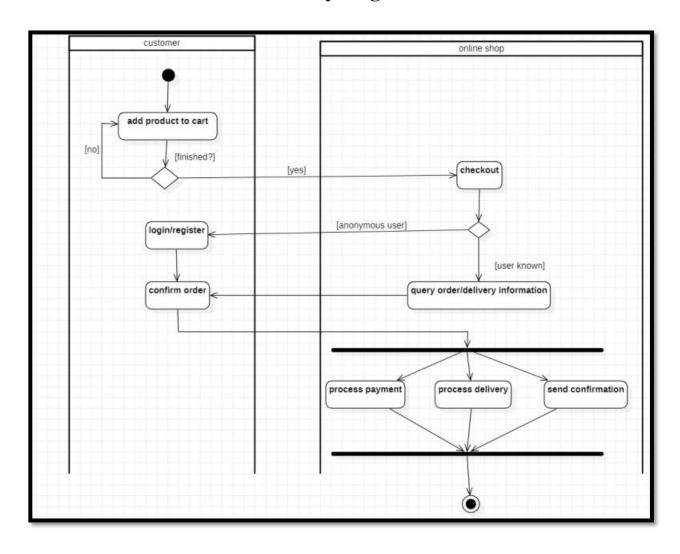
4. Draw the advanced use case diagram



5. Draw the advanced sequence diagram

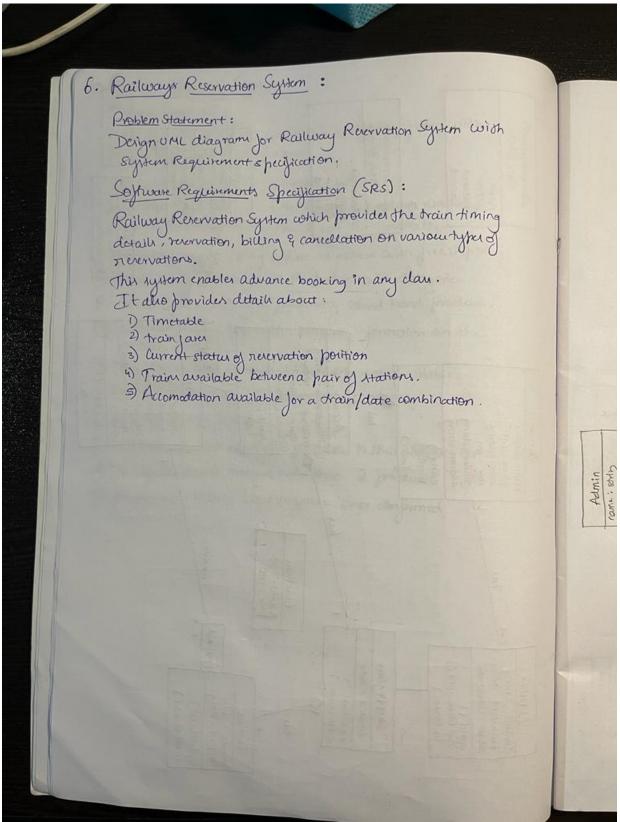


6. Draw the advanced activity diagram

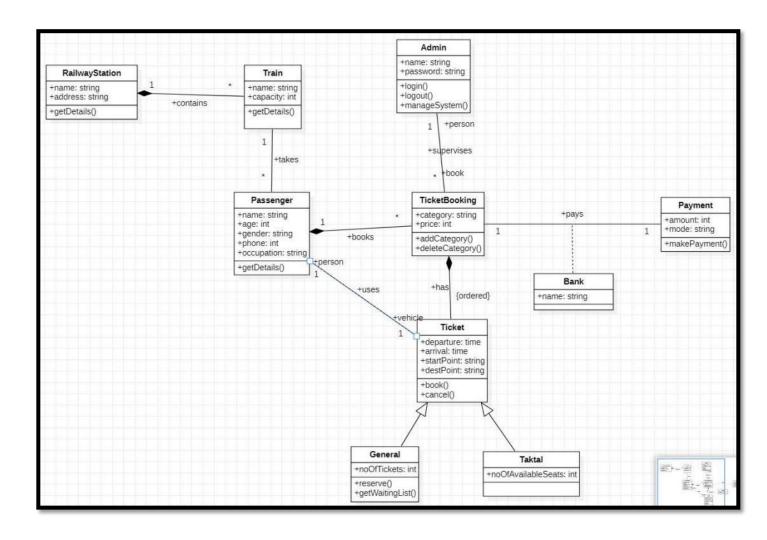


Exercise 6: Railway Reservation System

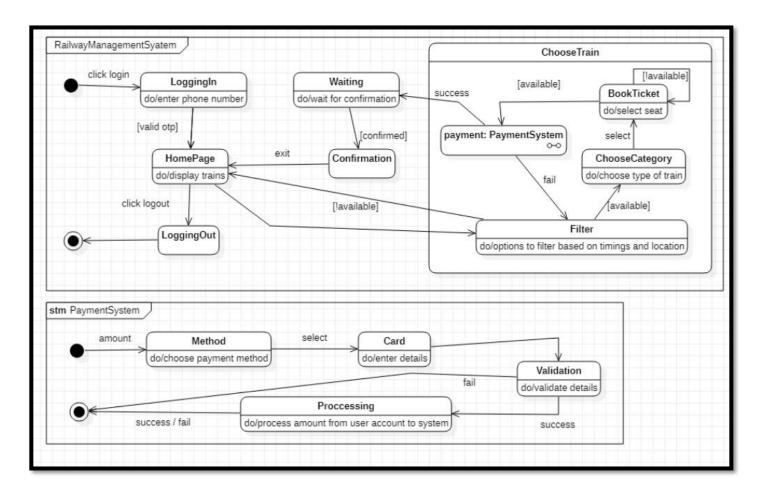
1. Write SRS



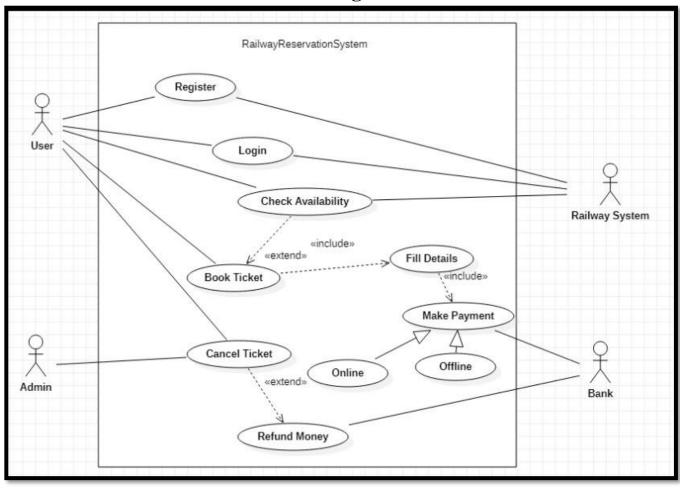
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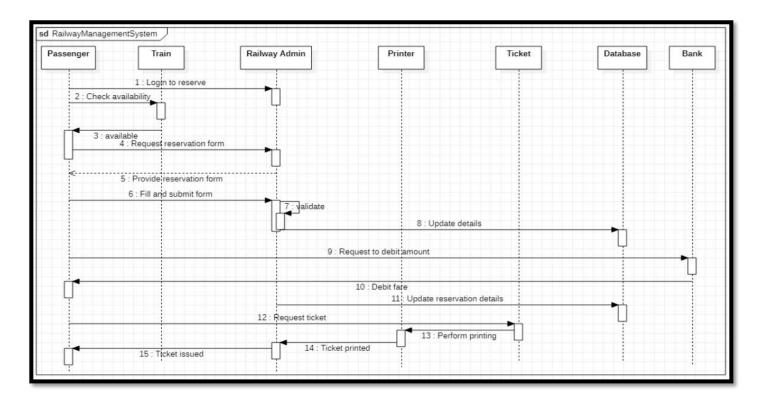
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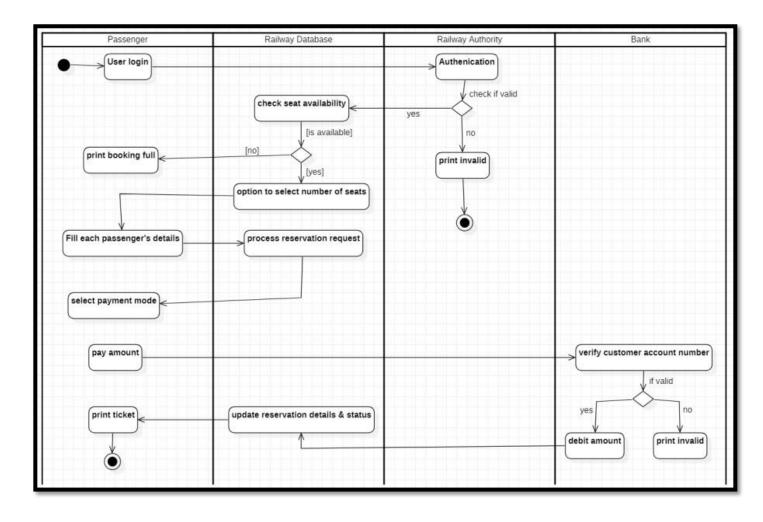
4. Draw the advanced use case diagram



5. Draw the advanced sequence diagram



6. Draw the advanced activity diagram

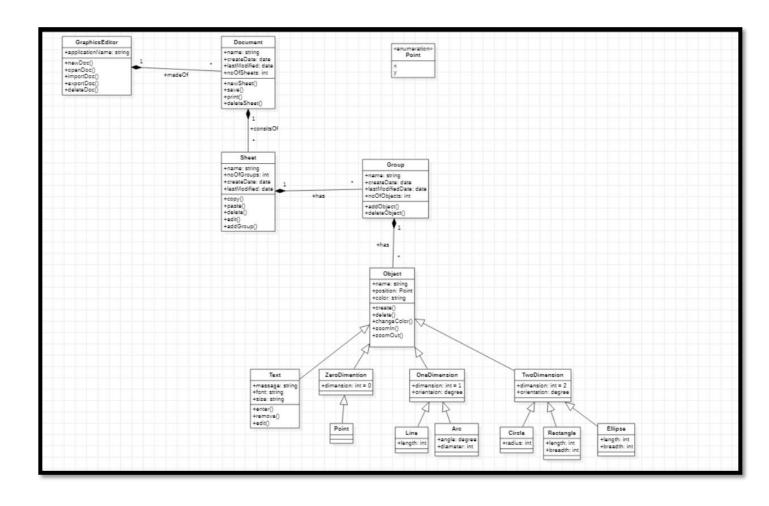


Exercise 7: Graphics Editor System

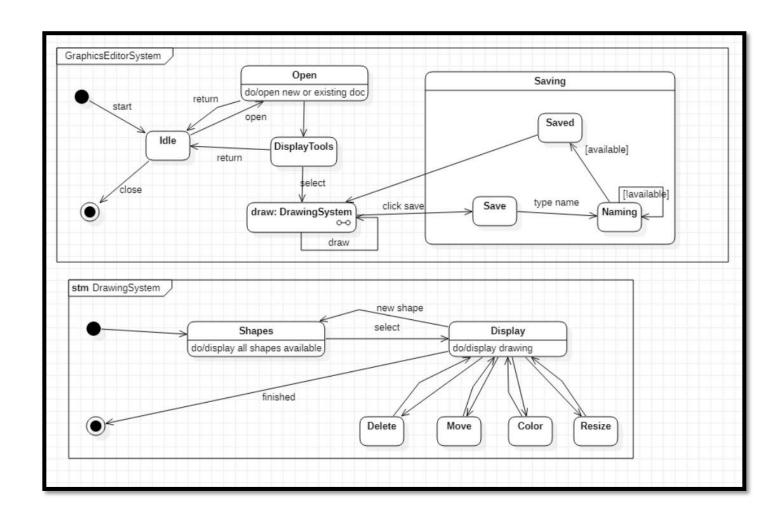
1. Write SRS

1.	WITHE SIND	
	7. Graphics Editor:	
	<u>Problem Statument</u> : Design und diagrams for Graphia Editor with system requirement Specification.	Point
	Software Requirements Specification (SKS).	Committee
	Provider Application Programmer's Interface that enables a programmer to duclop their own graphical model editor	N N
	The graphical editor provides an interface coist which programmer implements said editor for a given underlying model.	
	3 Functionalities: It contains the toolbox cohich contains tools like: Line, Grede, Rectangle, Arc, Text, Draw, Evaner.	
	a Color box or palette shall be forcient.	
	3 Standard toolbar with option for New, Open, Save, toolbox & Text Toolbox	
	6 One integrated view to Users for foolbar, color, box, menu and graphicercen.	ument hog : door 3 : door
	1 Early handling tool for wow.	Docur
	(1) Ability to group several drawings into ones, complex drawing	name crease last A
	1 Provision of zoom in and zoom out.	*
	(1) Different shadings of line tool are provided.	Sordmeds
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		Chredphic Elthor application Name: shing nambec()
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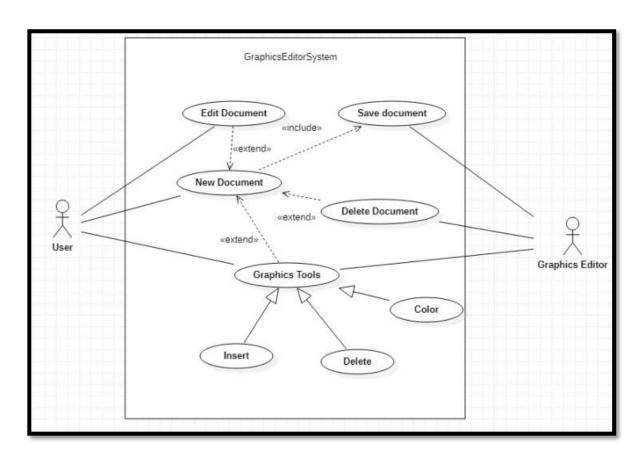
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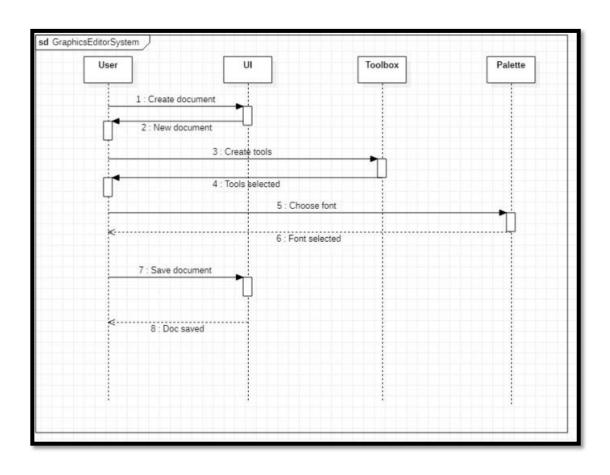
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5. Draw the advanced sequence diagram



6. Draw the advanced activity diagram

