Aim: in UML using the Example of an print street Demonstrate the concept of collaboration diagram

Objective: To understand and create a collaboration diagram in UML that represents the interaction between objects in a print server system within an office.

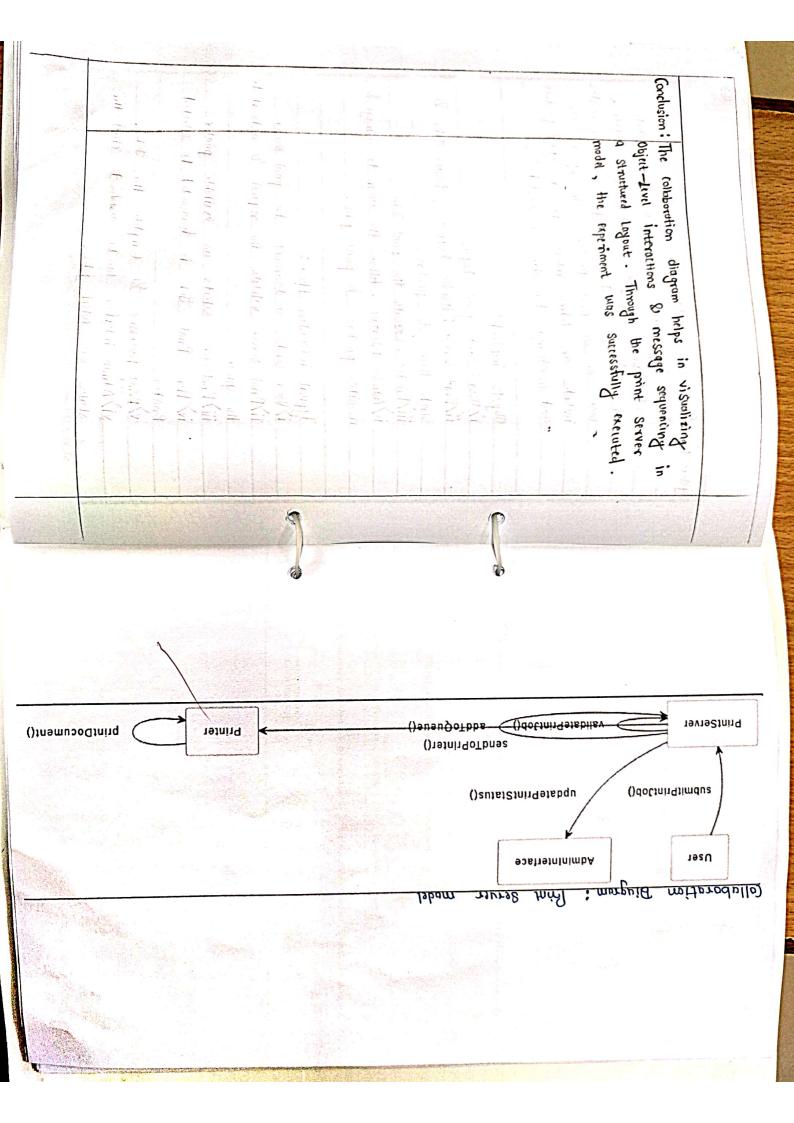
Experiment No. 6

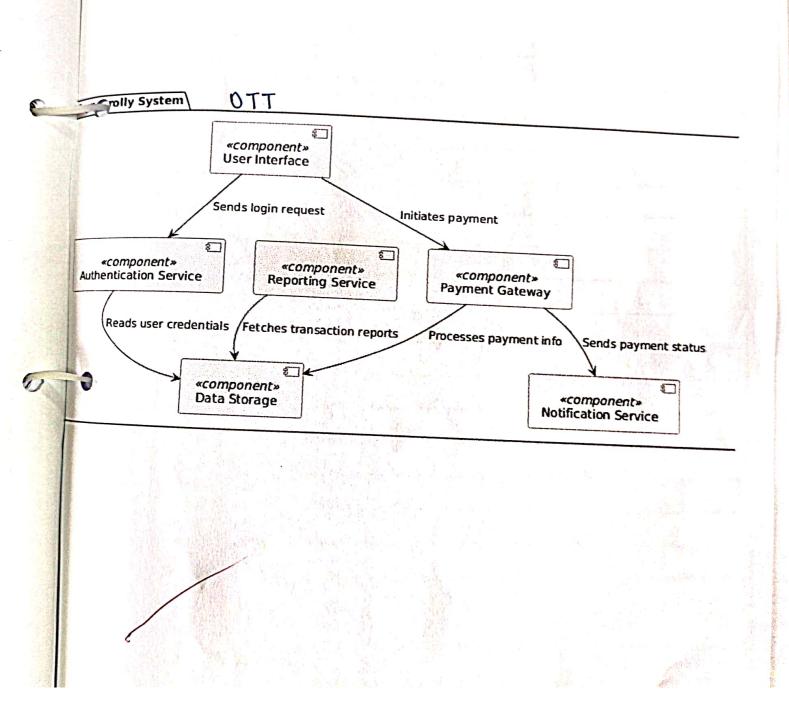
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		Theory:	Aim:
iii)Messages: Numbered arrows representing the sequence. & flow of communication between the objects. Collaborations diagrams are useful for visualizing object interactions in systems where structure & messagaing arder both matters.	data exchanged. Key Concepts Thistogram of classes imposed in the interaction.	aboration diagram also known as is a type of interaction di that shows beints interact to be structural angunisation of objects interact to be structural angunisation of objects interact.	Concept of Collaboration Example of an point Concept of Collaboration Acents the interaction Concept of Collaboration Concept of Collaboration

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System Eg:	Print Server Model in an office:
- L	In a typical office environment, users / starf
	Sends print jobs to a certain print server,
	which manages a queue of jobs & communicates
	with one or more printers. The system also
	includes an Admin interface for managing printers
	and monitering the queue it needed.
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	Objects involved:
	1) User: Sends print Requests
	ii) Print Server: Handles Requests queues Jobs &
1,1	sends them to printers
1	iii) Printer ! Executer the print Jobs
	iv Admin Interface: Allows the admin to manage &
	monitor printers & print jobs.
	Typical interaction Flows
1.7	is User sends a document to print server.
- 1	ii) Print Server validates the request & adds it to
	the queue
	(ii) Print Server selects an available printer.
1	iv) The Print Job is formanded to selected
	Printer
	V) Print Processes & completes the Job
444	vi) Admin interface can be used to check the
/	Status or culcel jobs
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Conclusion: The colluboration diagram helps in visualizing.
Object-level interactions & message sequencing in structured layout. Through the print server model, the experiment was successfully executed

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