(POORNIMA)

Ain + deflair class diagram with symbols | Notations

Class diagram . The class diagram shows the building blocks of any object oriented system Class days and defect a state rises of the model, or fast of the model, describing what attributes and Leharrow it too rather than Leveling the methods for achieving operations. Class diagrams are most waful in illustrating relationships between classes and siterform, generalizations, aggregations and infortance comfortion or mage, and connection respectively.

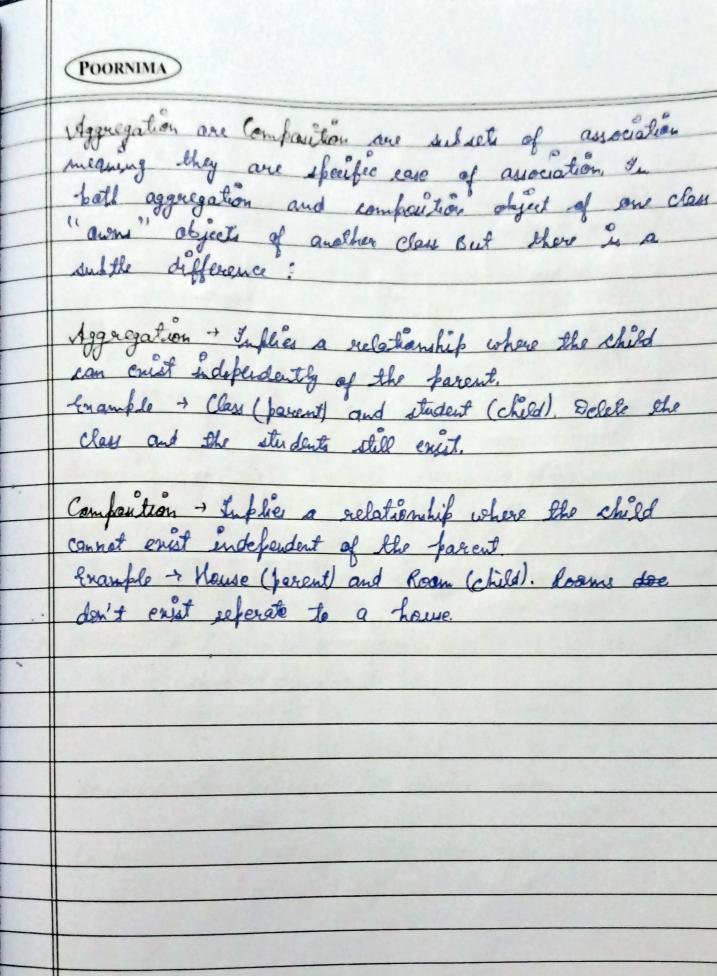
Symbols of class diagram:

UML class is represented by the following figure. The diagram is divided into four parts.

. The top section is need to mone the class. . The second section is used to describe the

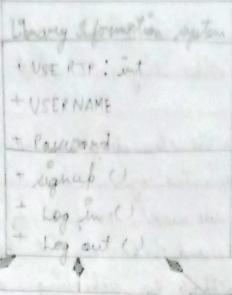
aferstions ferformed by the class.

yencrolization: A generalization is used to indir inhortique. Draw from the specific classifier to a general classifier, the generalize implication is that the source implication is



CLASS

	CLASS	
Lubility.	Student	Nome
Protected Princate	+ rome: Ising + # rall: theger +	Attribute
	+ Duplay ()	
	- Add () - Edit () # Delete ()	Operations
	Responsibilities - Manage student	enters can be



+ Id + Name + Branch + Contact No + Issue book () + Issue book ()

+ dearth book ()
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account()

Book

+ Title

+ Publisher

+ Author

+ Price

+ Issue status ()

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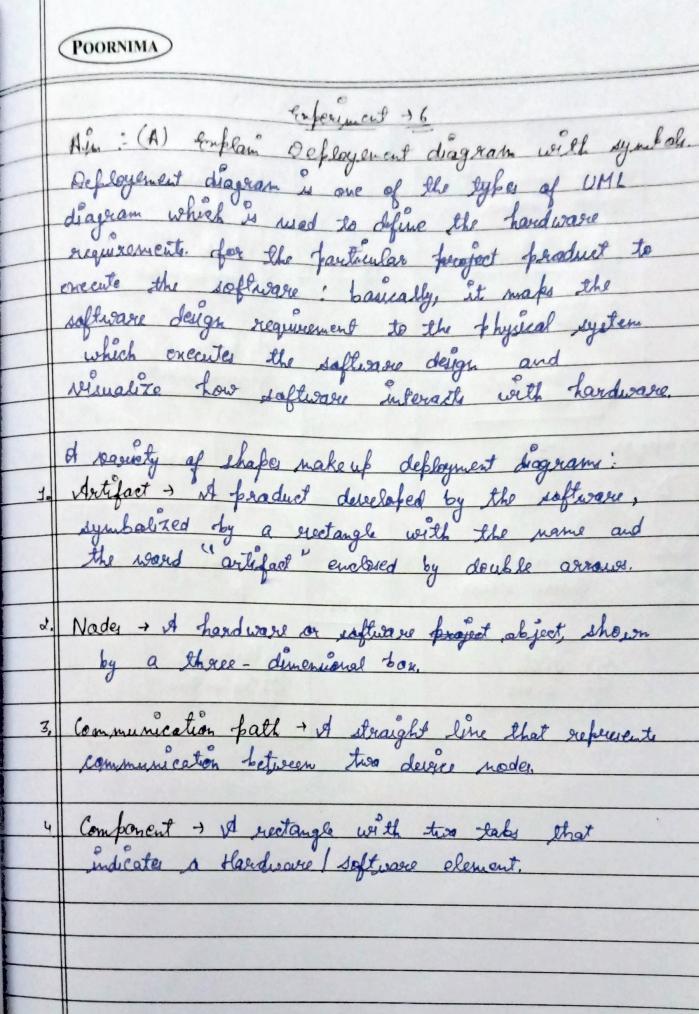
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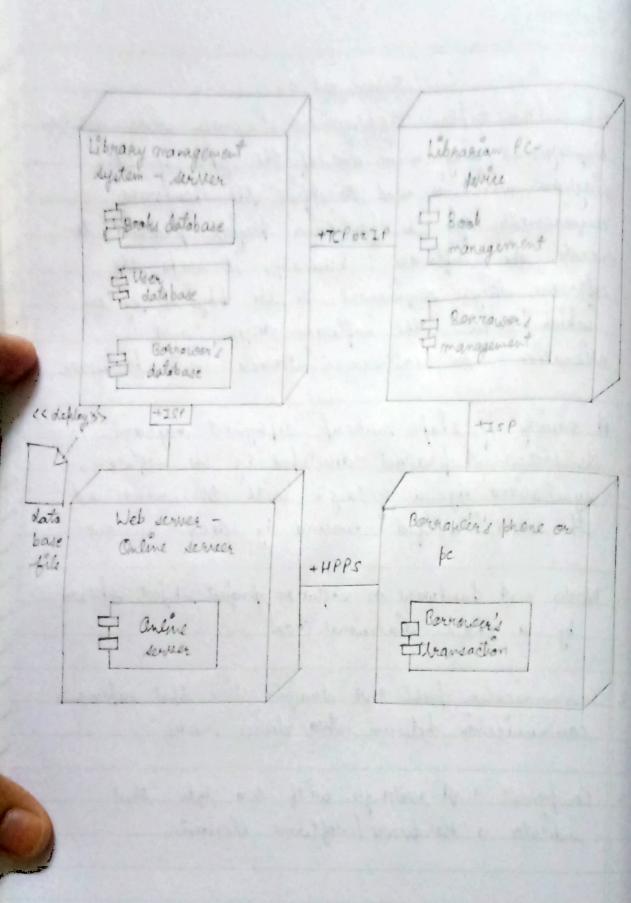
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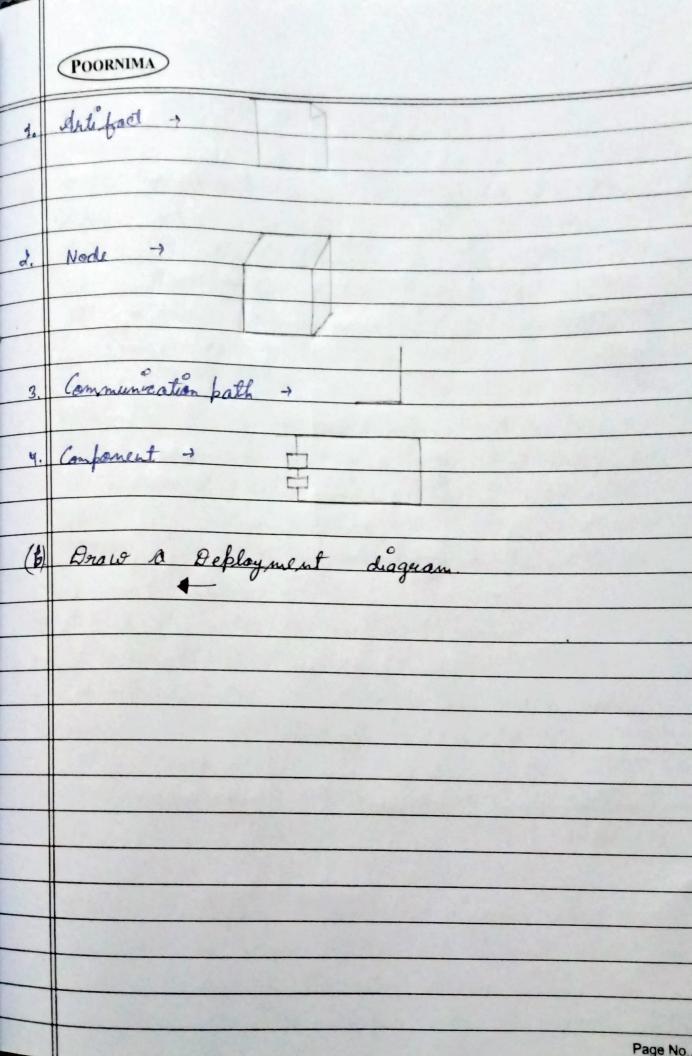
+ Return book ()

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POORNIMA Experiment +7 a Enflair component Diogram with symbols I notation Component expresent a modular part of a system > A component define it behaviour in atoms of provided and arguined interfaces Package is used to group elements, and to Emperove a namepace for the grant elements Notation / symbols of component diagram - A component refresente a modular part of a system that encapsulates it contents and whose manifestation is replaceable within it enveranment. A high- level abstractes view of a component in VML I can be medeled as: 1 A gectangle with the component's name a A rectangle with the component sean 3 A sectingle with the stereotype tent and/or icon 4 exitangle with the stereotype Lent and for icon ((component >> Order = ((components) ander & Interface : Interface in component diagrams where how component are wired logether and interact with each other the assembly connector allows linking the

components required interface with the provide interface

of another component. The shows that one component is providing the service that the other is evequing.

This is Component diagram of Liberary Management systems which shows samponent provided and required interfaces. Points and executionship between the issues of student, librarian, member and Address, This lybe of Diagrams is used in component based Development to describe systems with services arrivated Development IIBRARY MANAGEMENT CYSTEM UML COMPONENT DIAGRAM.

describes organization and wisning of the physical component.

Provided Interface symbol with a complete cincle at their end represent an interface that the component provider-the " bellipap" symbol is shorthard for a realization gelationship of an interface classifier.

Regigned Interface symbols with only a half circle at their end (a, k.a. sockets) sufficient an interface that the component requires (in both cases, the interface's same is placed near the interface symbol itself).

Defendency: A dashed line that ends in an average which indicates that one made on component is defendent

on outher

18) A Deaw component diagram of Library management

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