=> UML Biagram

so now to represent up of a system

=) Communicate

- · Moneger -> work, approved, appraisal
 - · Francead | Architect -> system derign [40 + 10]
 - · QA -> requirements
 - · Business (CED, PM) -> business requirements
 - · Clients butness product requirements

ways to communicate:

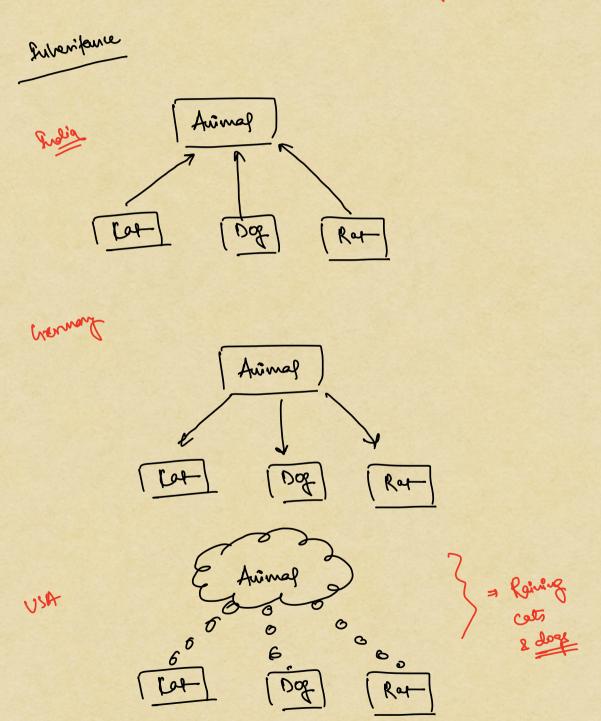
1) words -> email black meetings

teads to ambiguity

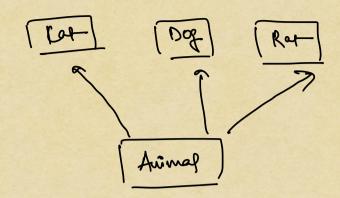
nexter [Pictures | Biograms | Images | FlowCharts]

Li less Ambiguity | very to understand | visualization

ef, there is no standardization of preferred flowcharts/ diagrams => confusing (time taking







=> UML Biagramy

UML 32 Unified Modeling language

Elandardization on how to represent different

SWE concepts in diagram

= lype of UML diagram;

- 1) Structural => how the codebase 1s Structured
- or Behaviored so how the system works, from of the system

Structural	Behavioure
1) Class Magrown 1) Package Diagram	1) Activity Diagram CHW)
111) Object Biogram (tw)	111) lequence Diagram + ++ (4W)

=> Use case Diagram:

- -> features functionalities being word by our system
 - -> who are using those feature (fune.

3) Swagor ky words:

3 Lysken boundary

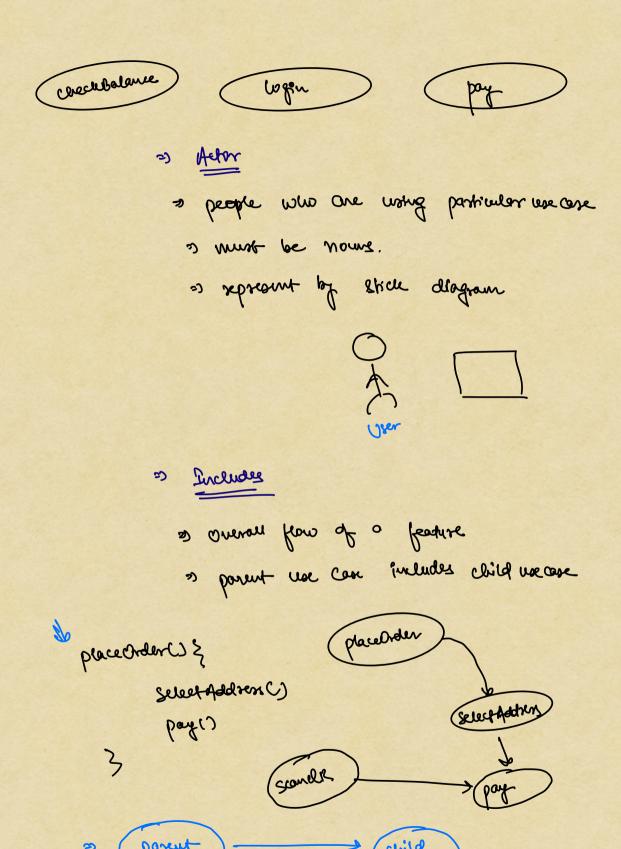
Rectangle represents our system

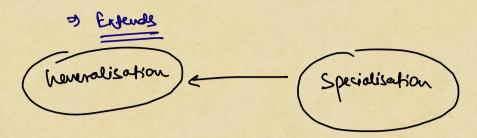
At things => puride rectu

3P things => outride rectu

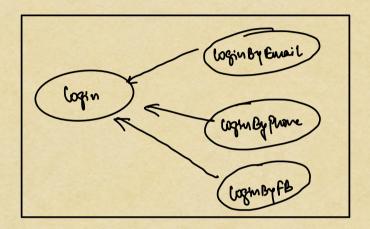
o Use Case

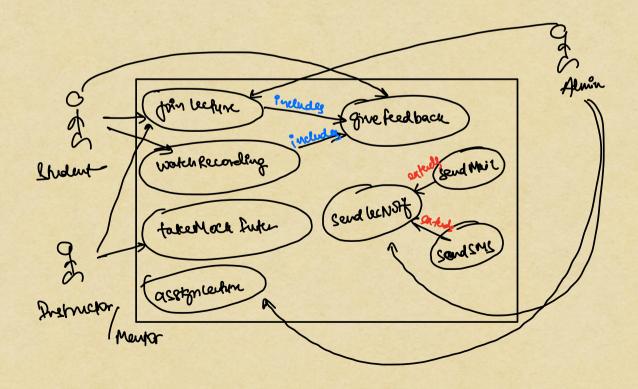
- => functionality and footiers
- => Must always be VERBS
- => Represent by an one





> if a feature has multiple various





5) Draw ux case diagram !

2) Economerce appr

3) Lase cases

3) Lase cases so includes

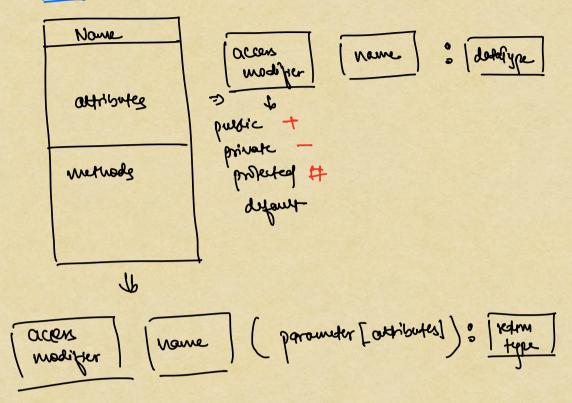
5) Luse cases so includes

5) Luse cases so includes

5) Luse cases so includes

2) Class Biogram

- or representing diff entiries on our system
 - -> class
 - Abstract Yans
 - Interface
 - ENUMS
 - 3) sepresenting schattoniship low the outities
 - -> suppr of suterface
 - extends a class
 - -> association & composition



Student

- Oge: int

- venne: String

- Grodepear: int

- working: bookean

+ calculate Martes (Ed:int): double

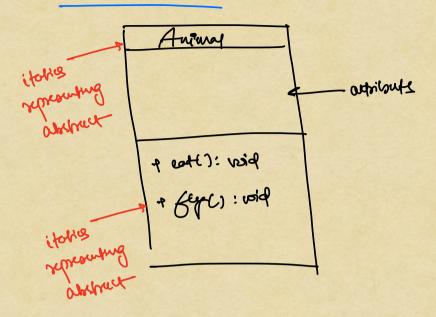
+ change Baken (id:int,

venoBaken: String): voig

Clark Student & private int age: by note Think name! public double calculateHarks(put id) { public void changeBatch (Intid, String new Basel) } << regovers << Name>> + fed(): road 4 State variables methods are represented by an

(anywhere) underline On them

4 Abstract Games

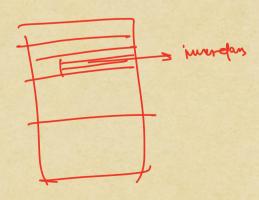


& ENUMS \$

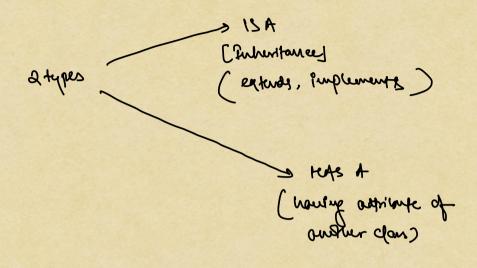
Enem Names	
Au.	
VARIABLES,	
101,	
\ CAPS	

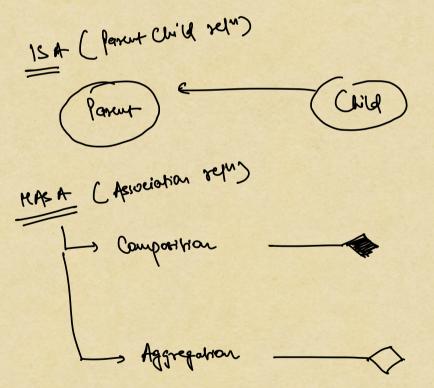
Ainaly	e
CAT,	
Don,	
(

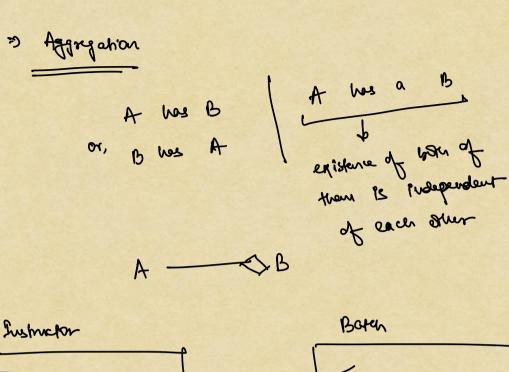
FINAL OD BOW

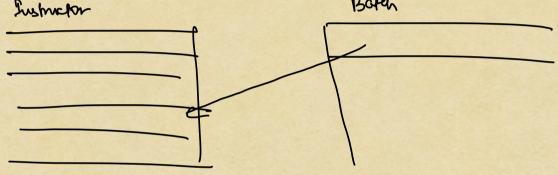


=> Represent schationalip blue entitles.









Instructor has a botch

A Has a b

A B

existence of any one entity depends on

