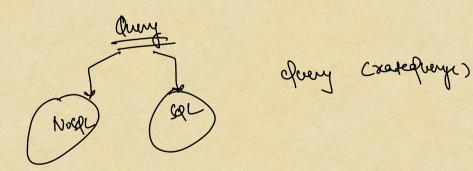
Static

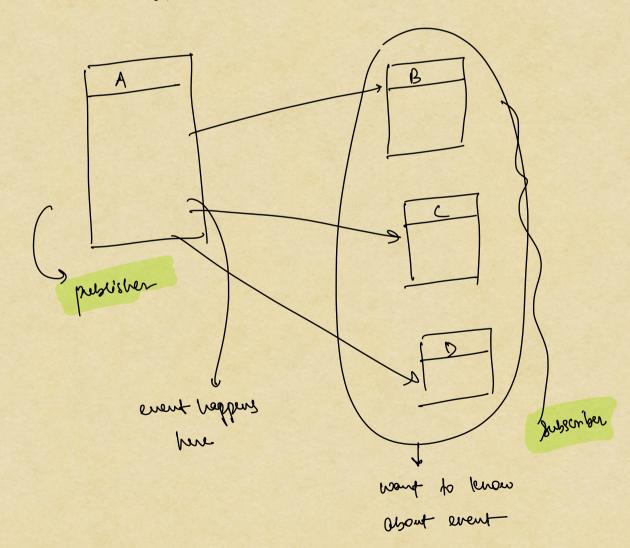
Class - Eager Initialization

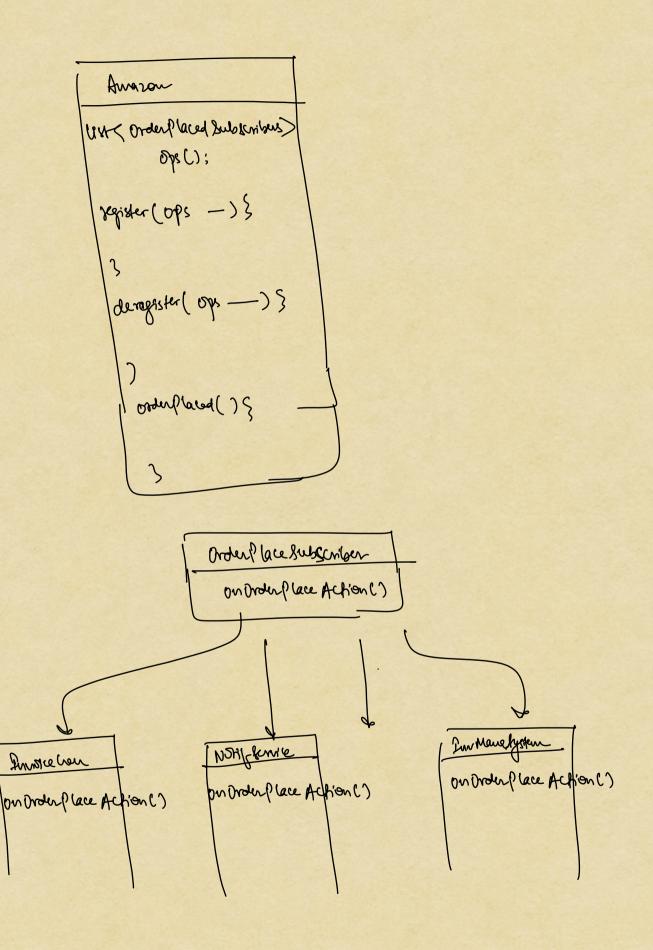
- 1) man class mutable 2 builder & framutable Student 2, not fine
- 11) main clas immutable 2 builder 15 mutable
- 111) build Spect 3 fre
- 10) main your does ut have any fatters



Observer Derign Pastern

- forme actions to take based on the occurrence of the event.
- of listen to on event
- * Ophon to be a literar or not should be present at number





UML (Unified Modelling language)

- A Steudardisation on how to represent different SwiE wreets in diagram
- & g types of UML
 - 1) Structural => how the codebase is & migured
 - 11) Behavioural =) how the system works
 1. . Geatures work

 different features Supported

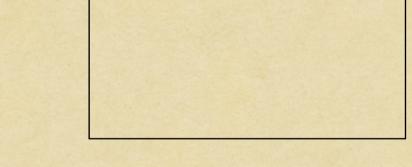
UML

- -> Steundardisation
- -> earler to understand
- → les ambiguity
- -> Increses visualization

Structural	Behavioural
1) your diagram	1) Activity Diagram
11) Package diagram	11) Use Case Diagram
111) Object diagram	MI) Sequience Diagram
(v) Component diagram	

2) Use Case Diagram!

- & Different features | franctionalities that are supported part
- 4 Users for these frenchionalities
 - =) 5 key words
- 1) fystem Boundary



- -> Represents such of our current system
- doesn't include any 3rd party out sourced system
- → knowld be a verb

11) Use case

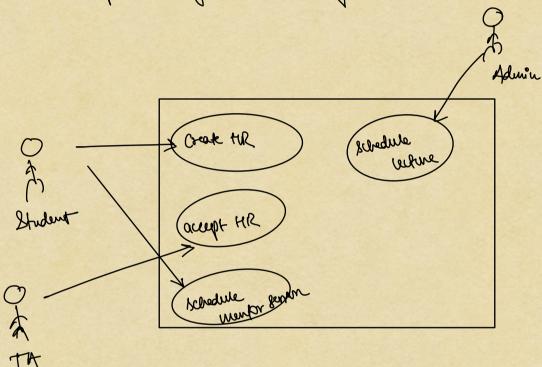
-> functionality | features | actions

higal

payment

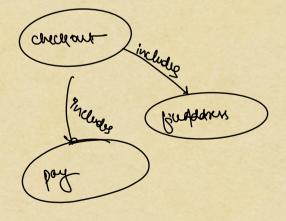
III) Ador

- → a person using a feature use-case
- -> Knowld be a norm
- -> seborant por a since gratien



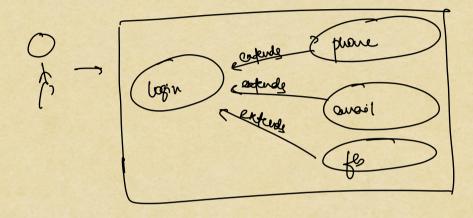
4) Includes

- as a fenc
- -> parent usecase forludes
 the child usecase



5 Extends

If one beature has multiple variants:



-> Gan diagram

- Olyributes

- method

- Puterfaces

- abstrat

aggregation & composition

association

```
Constructor for Static Variables
 equited, when the class is boaded
your Student &
         list (fut) A ; - ager
         Use ( Set > B; Lary
      Stutic &

A: New Arraylist ();
         public void Puit()}
                B: new Maybist >();
Clan Main S
         S () wood
                  Student s: vow studente);
                      s.iwt():
```

Student &

Addrew &

city

3

3

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	1	1		1

City