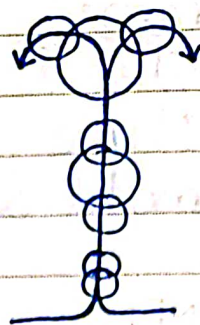


# Object Oriented S/w Engineering

Date 10/10/22

## ① fountain Model:

- overlap
- arrows
- smaller maintenance circle

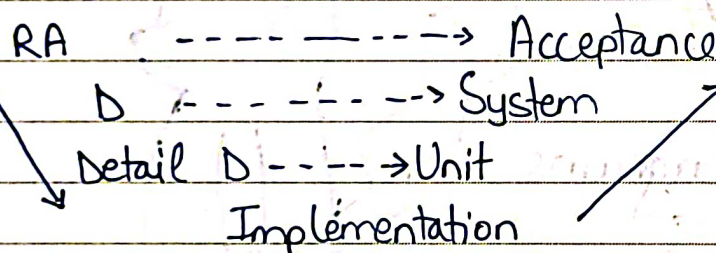


## ② V-Shaped Model:

- Verification: Code is not executed, it is verified by brainstorming.
- Validation: Code is executed to check faults.
- In V shape testing is done after every phase to improve quality of end products of all phases.

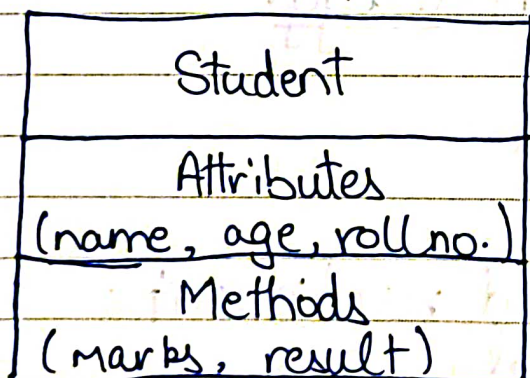
Limitations:

- i) More resources & no working version till late time.
- ii) No iterations
- iii) Can't adapt to change



30/10/2022

## \* Class Diagram:



04  
08/11/22

## \* Object Oriented Methodologies:

→ OMT : Jim Rumbaugh

- fast, intuitive approach
- consists Static, Dynamic & Functional Models.



4 Phases: Analysis, System Design, Object Design, Implementation.

Date: / /

### \* Class Diagram:

- Attributes & Methods
- Class Name
- Object model & Data dictionary.

①  
OBJECT  
MODEL

↑  
central method

### ② \* DYNAMIC MODEL:

- State transitions
- Event flow diagrams

### ③ \* Functional MODEL:

- Data Flow diag. (DFD)
- Constraints.

### ► Booch Methodology:

- Class Diagrams
- Object Diagrams
- State Transit<sup>n</sup> Diagrams
- Module Diagrams
- Process Diagrams
- Interaction Diagrams

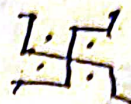


### ► I Jacobson ET. AL. Methodology:

- Use Case
  - ↳ Diagram
  - ↳ Description
  - ↳ include & extend relationships.
- Domain Object Model
- Analysis Object Model
- Implementation
- Test Model
  - ↳ Test plans
  - ↳ Strategies



14/11/22  
सोमवार



~~सोमवार~~

F : Functionality

U : Usability

R : Reliability

P : Portability

S : ~~Stability~~ Security

VISI

12/12/22  
सोमवार

