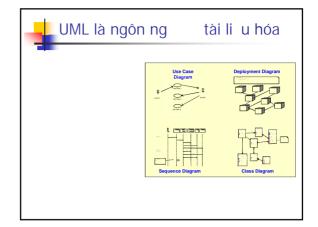




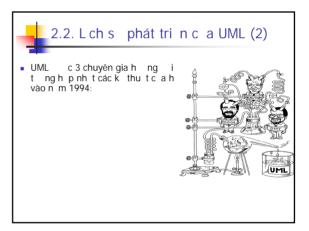


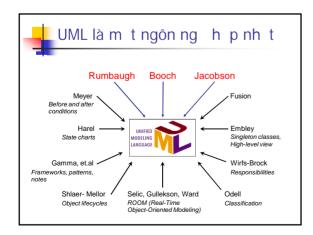
Các mô hình UML có th k t n i tr c ti p v i r t nhi u ngôn ng I p trình.

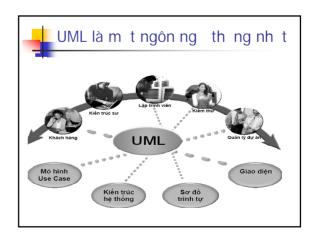


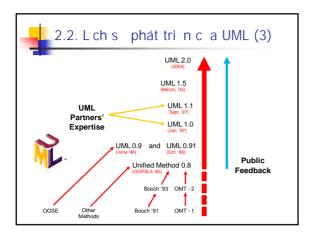
## 2.2. L ch s phát tri n c a UML

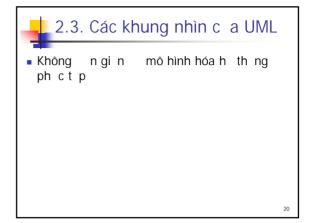
- Vào 1994, có h n 50 ph ng pháp mô hình hóa h ng i t ng:
  - Fusion, Shlaer-Mellor, ROOM, Class-Relation, Wirfs-Brock, Coad-Yourdon, MOSES, Syntropy, BOOM, OOSD, OSA, BON, Catalysis, COMMA, HOOD, Ooram, DOORS ...
- → C n chu n hóa và th ng nh t các ph ng pháp

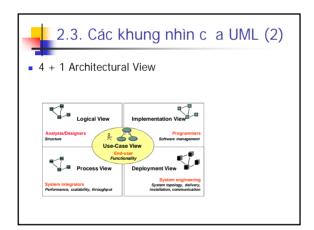


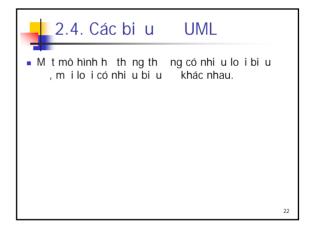


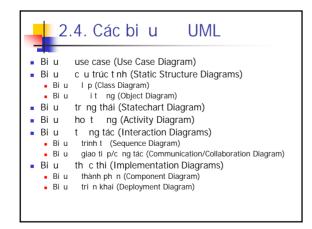


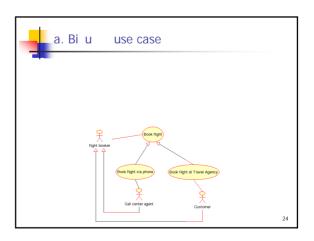


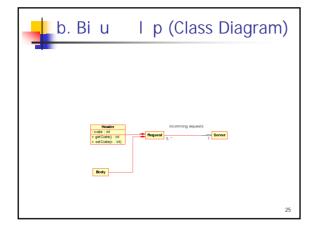


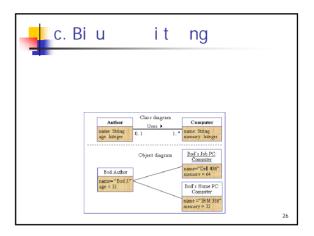


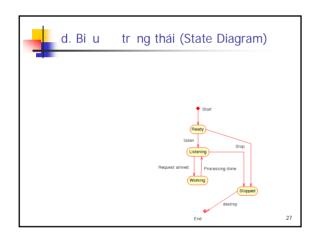


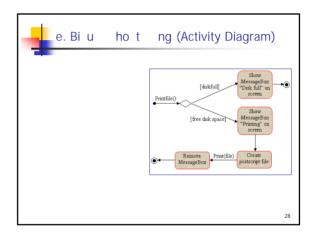


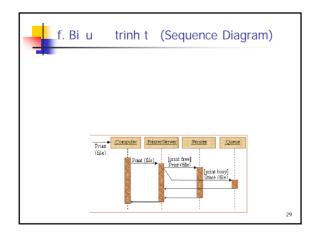


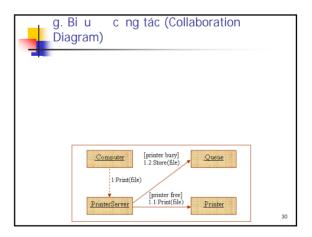


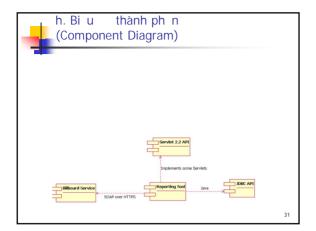


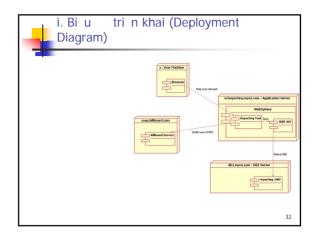


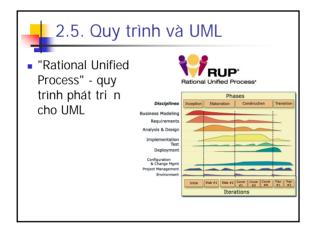


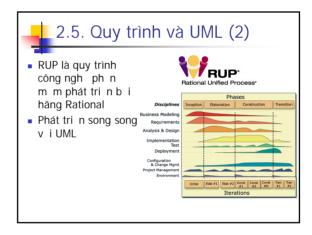


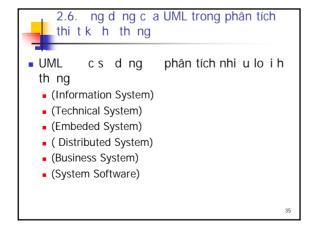


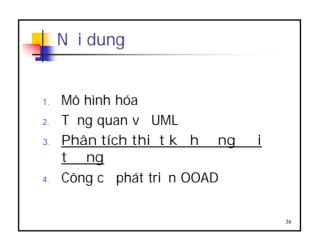


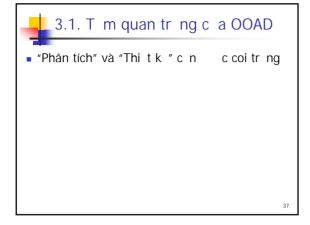


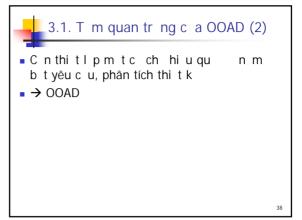












3.2. M c ích c a OOAD

Cung c p cho ng i dùng, khách hàng, k s phân tích, thi t k nhi u cái nhìn khác nhau v cùng m t h th ng

3.3. Ph ng pháp OOAD

OOAD c chia thành 2 giai o n

(OOA)
(OOD)

3.3. Ph ng pháp OOAD (2)

1. Use case modeling to define requirements

2. Object extraction and message sequence design between objects

3. Class design

4. E-R modeling for persistent data

1. Mô hình hóa
2. T ng quan v UML
3. Phân tích thi t k h ng i t ng
4. Công c phát tri n OOAD



## 4. Công c UML – OOAD

- Công c mã ngu n m :
  - EclipseUML
  - UmlDesigner
  - ArgoUML...
- Công c th ng m i:
  - Enterprise Architect
  - IBM Rational Software Architect
  - Microsoft Visio
  - Visual Paradigm for UML
  - SmartDraw...

43