UML Xtics

1. has diagrams used for analysis and design
2. doesn’t include a software process
3. supports inheritance, whole part, association, aggregation, composition
4. UML design models can be implemented in any programming language or platform

Advantages

1. Software reuse
2. Flexibility due to polymorphism
3. Security due to information hiding
4. Easy maintenance due to modularity

Disadvantages

1. Steep Learning curve
2. Cannot be used to solve all problems
3. Slow execution due to message passing and larger programs

Activity Diagrams

1. Has start and end symbol
2. Has activity/action
3. Has note/comment symbol

UML Full Class Diagrams

1. Has three partitions:

Name

Attributes

Methods

Use Case Diagrams

1. Has subsystem name
2. Has actor name
3. Has use case name
4. Has association name

Computer

Memory

Storage

Memory

CPU