

Homework01

1. What is the difference between OOA and OOD?

The difference between OOA (Object-Oriented Analysis) and OOD (Object-Oriented Design) lies in their scopes and objectives within the software development process. OOA emphasis on finding and describing the objects or concepts in the problem domain. However, OOD emphasis on defining software objects and how they collaborate to fulfill the requirements.

2. What is the difference between the incremental and iterative approach to software development?

Incremental development is a development approach that slices the product into fully working slices that are called increments. Each new increment builds on top of the existing released functionality.

Iterative development is when teams gradually build up the features and functions but don't wait until each of these is complete before releasing. They release a basic version of each feature and then add to that feature in subsequent iterative releases, usually based on feedback from the basic version released.

3. What is the Relationship Between the Disciplines and Phases?

UP is a development methodology splitting lifecycle into phases & disciplines. It has 4 phases: Inception, Elaboration, Construction, Transition, with disciplines like Business Modeling, Requirements, Analysis and Design, Implementation, etc. During each phase, work goes on in most or all disciplines. However, Each phase focuses on different disciplines, e.g., Requirements in Inception, Implementation & Test in Construction.