Object Oriented Analysis & Design
Module-1 (RL 1.2.1)

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Overview of Unified Process (UP)

The Unified Process (UP)

- For simple systems, it might be feasible to

  sequentially define the whole problem, design the entire solution, build the software, and then test the product.

- For complex and sophisticated systems, this linear approach is not realistic.

- The **Unified Process (UP)** is a process for

  building object-oriented systems.

- The goal of the UP is to enable the production of

  high quality software that meets users needs

  within predictable schedules and budgets.

The Unified Process (UP)

- Development is organized into a series of short fixed-length <u>mini-projects</u> called **iterations**.
- The outcome of each iteration is a tested, integrated and executable system.
- An iteration represents a complete development cycle: it includes its own treatment of requirements, analysis, design, implementation and testing activities.
- UML is compulsory to use for Modeling

Iteration Length and Timeboxing

- The UP recommends short iteration lengths to allow for rapid feedback and adaptation.
- Long iterations increase project risk.
- Iterations are fixed in length (**timeboxed**). If meeting deadline seems to be difficult, then remove tasks or requirements from the iteration and include them in a future iteration.
- The UP recommends that an iteration should be between two and six weeks in duration.