

Class Diagrams in UML

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By

Huascar A. Sanchez

Agenda

- Problem Definition
- Problem Analysis
- Resulting Class Diagram
- The Rest of Elements
- End?

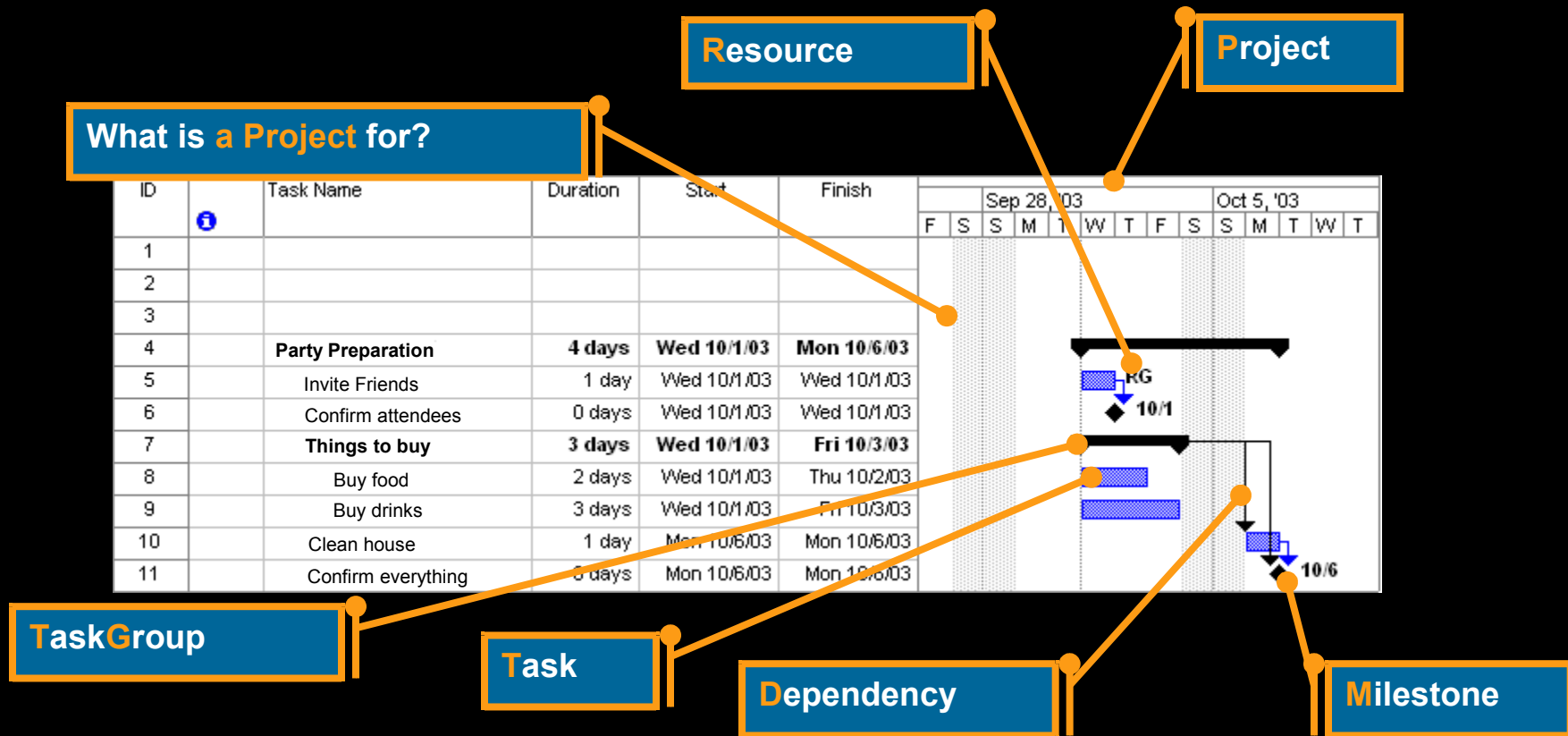
Problem Definition

- Trying to understand the nature of a project by looking at this MS Project's Gantt chart.



Problem Analysis

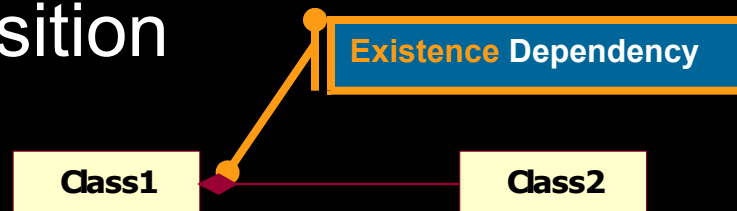
- Analyzing the problem



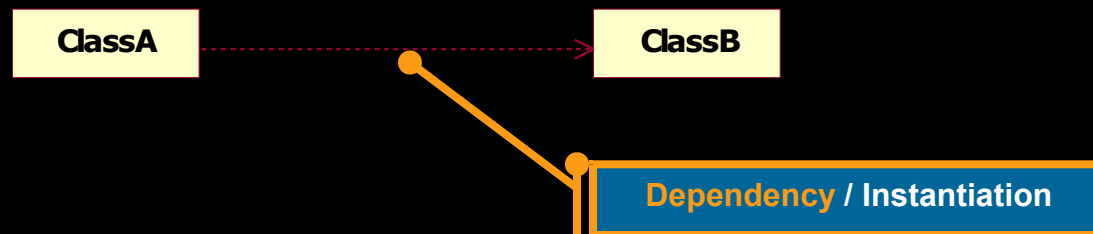
The rest of elements

- Things that were not illustrated in previous example

- Composition

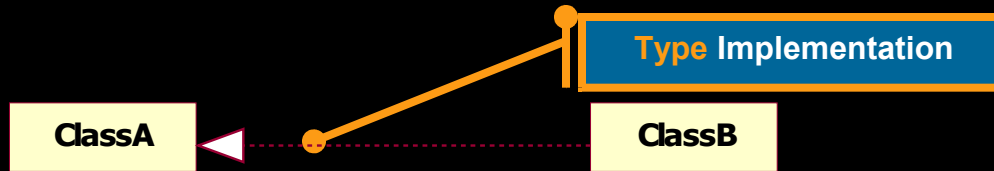


- Dependency

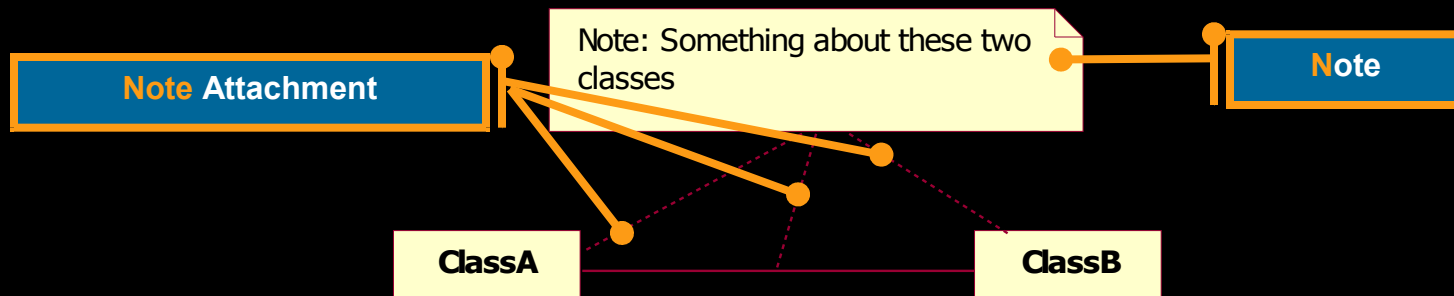


The rest of elements

- Here are more...
 - Realization



- Comments/Notes



The rest of elements

- Types of Multiplicity
 - Notation

n	n
a..z	a..z
*	*
0..*	0..*
0..n	0..n
0..1	0..1

The rest of elements

- Types of Multiplicity
 - Cardinality

n	Exactly n
a..z	Numerically Specified (a-z)
*	Many (zero or more)
0..*	Optional (zero or more)
0..n	Optional (zero or n)
0..1	Optional (zero or 1)

The rest of elements

Next Presentation: Sequence Diagrams

Questions?