INF 111 / CSE 121

Discussion Session
Week 9 - Fall 2007

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Agenda

- Assignment 2
  - Comments
- Assignment 3
  - Go over it
  - Questions
- UML Diagrams using Argo UML
  - State Diagram
- MS Project
  - Creating a new project file and changing its properties
  - Creating new tasks and changing their properties
  - Assigning/Replacing resources
 - Grouping tasks
  - Setting dependencies

UML State Diagram

- State Diagrams show the dynamic behavior of:
  - A class instance, or
  - Whole system
- Concepts*:
  - An **event** occurs at a point in time and transmits information from one object to another
  - An **action** occurs in response to an event and cannot be interrupted
  - An **activity** is an operation with certain duration that can be interrupted by another event
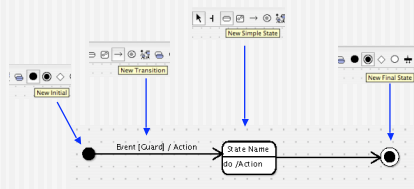 - A **guard** is a logical condition placed before a transition that returns either a true or a false

  * Taken from class' slides

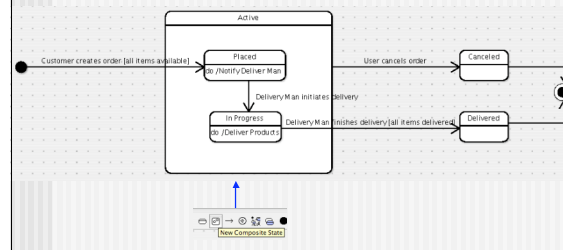
Create a State Diagram using Argo UML

- Select a class or the project to create a State Diagram.
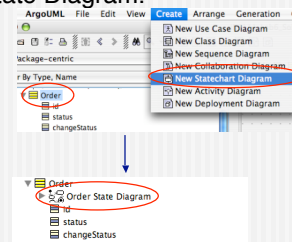
Create States and Transitions in ArgoUML


Example: State Diagram for Order Class

MS Project

- It is a project management software program
- Developed and sold by Microsoft
- It is used to assist project managers in:
  - Developing plans
  - Assigning resources to tasks
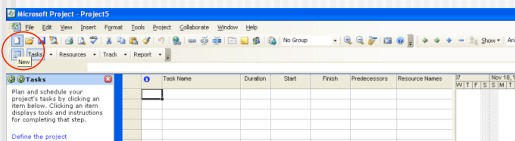 - Tracking progress
  - Managing budgets

Gantt Chart

- A chart that shows the duration of tasks against the project time-frame. It usually highlights milestones, dependencies and resources associated with particular tasks.*

* http://www.its.monash.edu.au/staff/projects/project-management/glossary.html
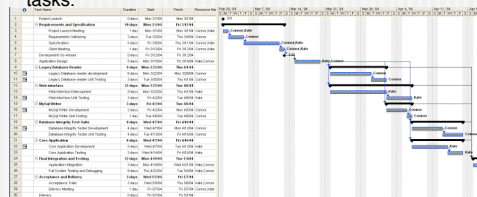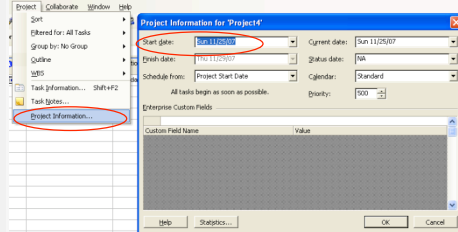
Creating a new project file

- Go to File -> New

Changing Project Start Date

- Go to Project -> Project Information

Creating new tasks

- Type the name of the task in the field "Task Name."
- Change the duration. (Make sure that the '?' symbol is not there)
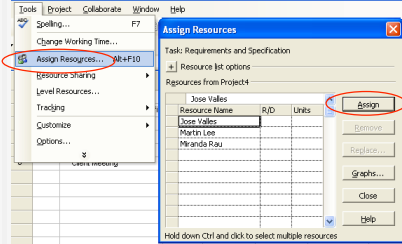- You can change the Start or Finish date if you want.

Task Information

- Double click on the tasks. You will see the Task Information window. You can change task properties here.
- For example: if you want to indicate that a task is a milestone, select the option Mark task as milestone.
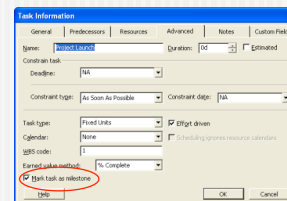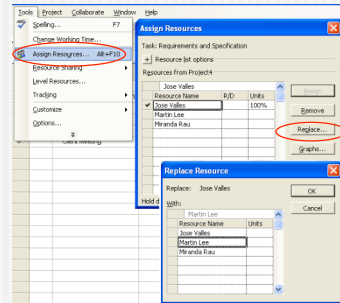
Assigning Resources

- Select a task, Go to Tool -> Assign Resources
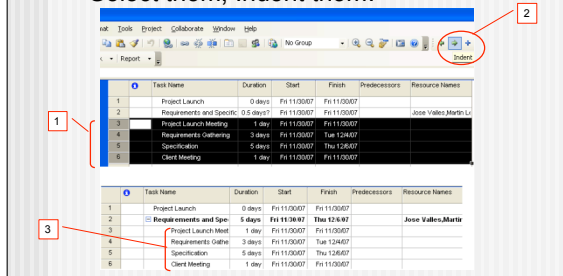

Replacing Resources

Grouping Tasks

- Select them, Indent them:

Setting Dependencies

- Double click on the task, go to Dependencies Tab