

This material replaces:

Lec 15- 15 to 15-26 (the second half)

Lec 16 - 1 to 16-18 (the entire section)

These replaced sections will not be included in the final exam.

The following charts, tables, diagram are common not only in IT but also in business and industry.
They are used as instructions and/or documentation.

Your goal is to be able to read and understand these methods of communication.

On the exam you will not be required to draw any of them, but you may be given examples and asked questions about them.

A. Project Management

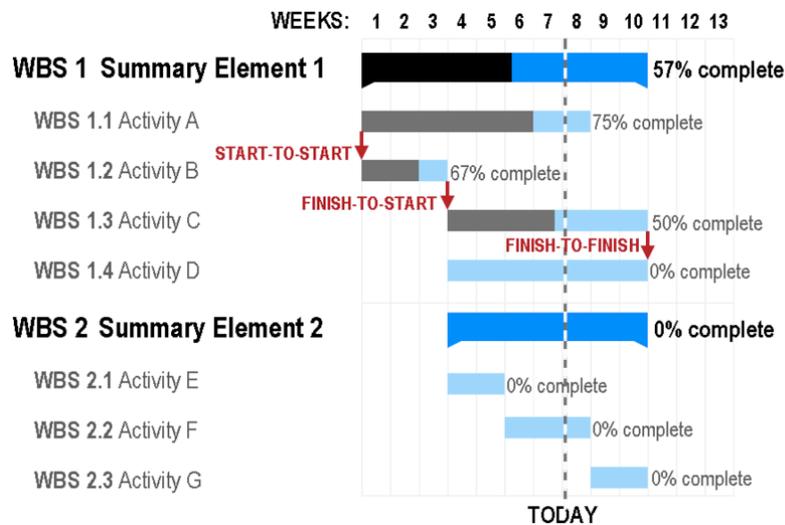
To manage a project you must first plan the following for each work item (**task**):

- what needs to be done (what is the **deliverable**)?
- who can do it?
- how many **man-days** (or man-months or man-years) of effort is involved?
- how long will it take (**duration** = elapsed time)?
(e.g. a team of 3 people, each working for 4 days = 12 man-days of effort, but the duration = 4 days if they work at the same time)
- what other resources are needed? (equipment, materials, etc.)
- what tasks must be completed before this task can start? (**dependencies**)
- what tasks must wait until this task is finished?
- how much **float** is there for the task? (if the task duration is 4 days, but you have 6 days to complete the task, the float = 2 days)

As a project is in progress, you need to know the following for each active or future task:

- when did it start and was it started on time? (**delay**)
- when did it finish and did it complete in time?
- what was/is the **actual** man-days needed? (when a task is started, you may find that it takes longer and needs more resources)
- what was/is the **actual** resources needed?
- if the task is in progress, how near completion is it (**percentage complete**)?
- what is the impact on other tasks?

generic Gantt chart (http://en.wikipedia.org/wiki/Gantt_chart)



B. Decision Tables

All possible conditions are listed, and all combinations of the decisions are identified.

All possible actions are listed and associated with all the combinations.

Y = yes N = no X = action is taken

| conditions | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| charge is part of the health benefits plan? | Y | Y | Y | Y | N | N | N | N |
| health care provider is part of the plan? | Y | Y | N | N | Y | Y | N | N |
| service provided in hospital? | Y | N | Y | N | Y | N | Y | N |
| actions | | | | | | | | |
| reimburse 90% of charges | X | | | | | | | |
| reimburse 80% of charges | | | X | | | | | |
| reimburse 60% of charges | | X | | | | | | |
| reimburse 50% of charges | | | | X | | | | |
| no reimbursement | | | | | X | X | X | X |

same decision table, summarized

| conditions | | | | | |
|---|---|---|---|---|---|
| charge is part of the health benefits plan? | Y | Y | Y | Y | N |
| health care provider is part of the plan? | Y | Y | N | N | - |
| service provided in hospital? | Y | N | Y | N | - |
| actions | | | | | |
| reimburse 90% of charges | X | | | | |
| reimburse 80% of charges | | | X | | |
| reimburse 60% of charges | | X | | | |
| reimburse 50% of charges | | | | X | |
| no reimbursement | | | | | X |