إدارة المشروعات

Projects Management

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Lecture 6
Time Management (Scheduling) Cont.
Gantt Charts

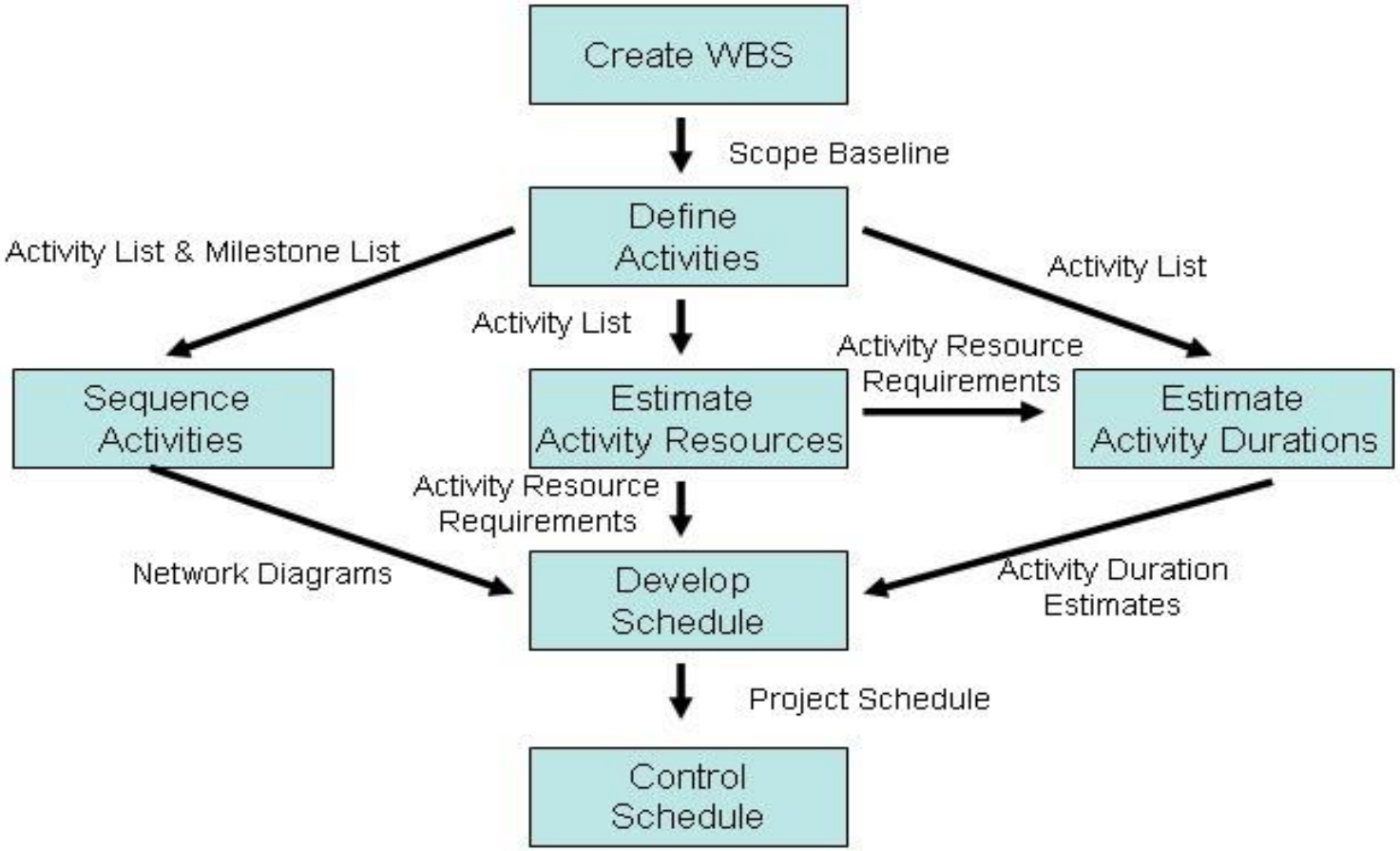
P5: Developing the Schedule

- The Ultimate goal is to create a **realistic project schedule** that provides a basis for monitoring project progress

- Important tools and techniques include:
  - ✓ Gantt charts,
  - ✓ Critical path analysis, and
  - ✓ PERT analysis

P5: Developing the Schedule

Project Time Management Processes



P5: Developing the Schedule

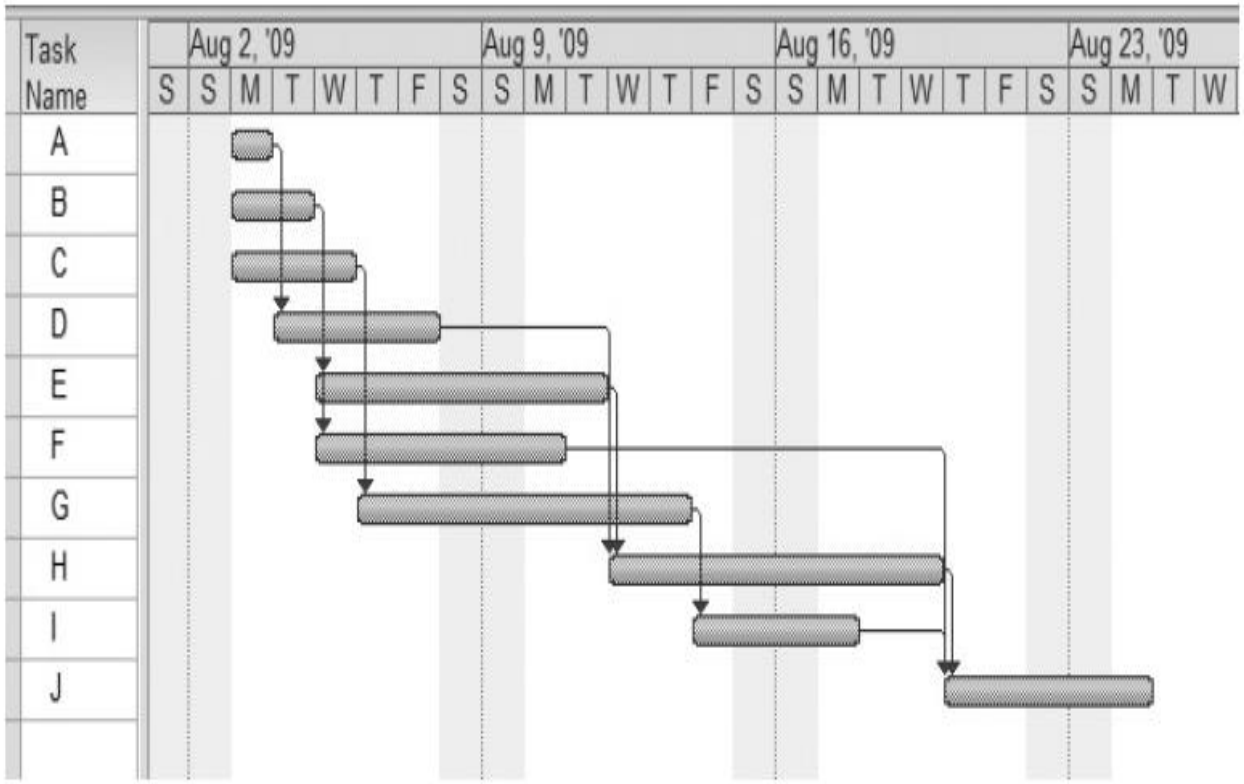
Gantt Charts

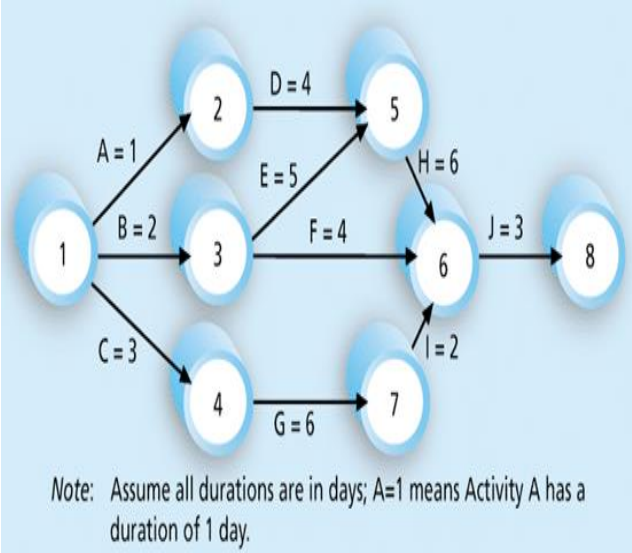
- Provide a standard format for displaying project schedule information by listing project activities and their start and finish dates in calendar form.
- Gantt charts are sometimes referred to as bar charts because the activities ' start and end dates are shown as horizontal bars

- Symbols include:
  - ✓ A black diamond: a milestones
  - ✓ Thick black bars: summary tasks (A task that is made up of subtasks and summarizes those subtasks.)
  - ✓ Lighter horizontal bars: durations of tasks
  - ✓ Arrows: dependencies between tasks

P5: Developing the Schedule

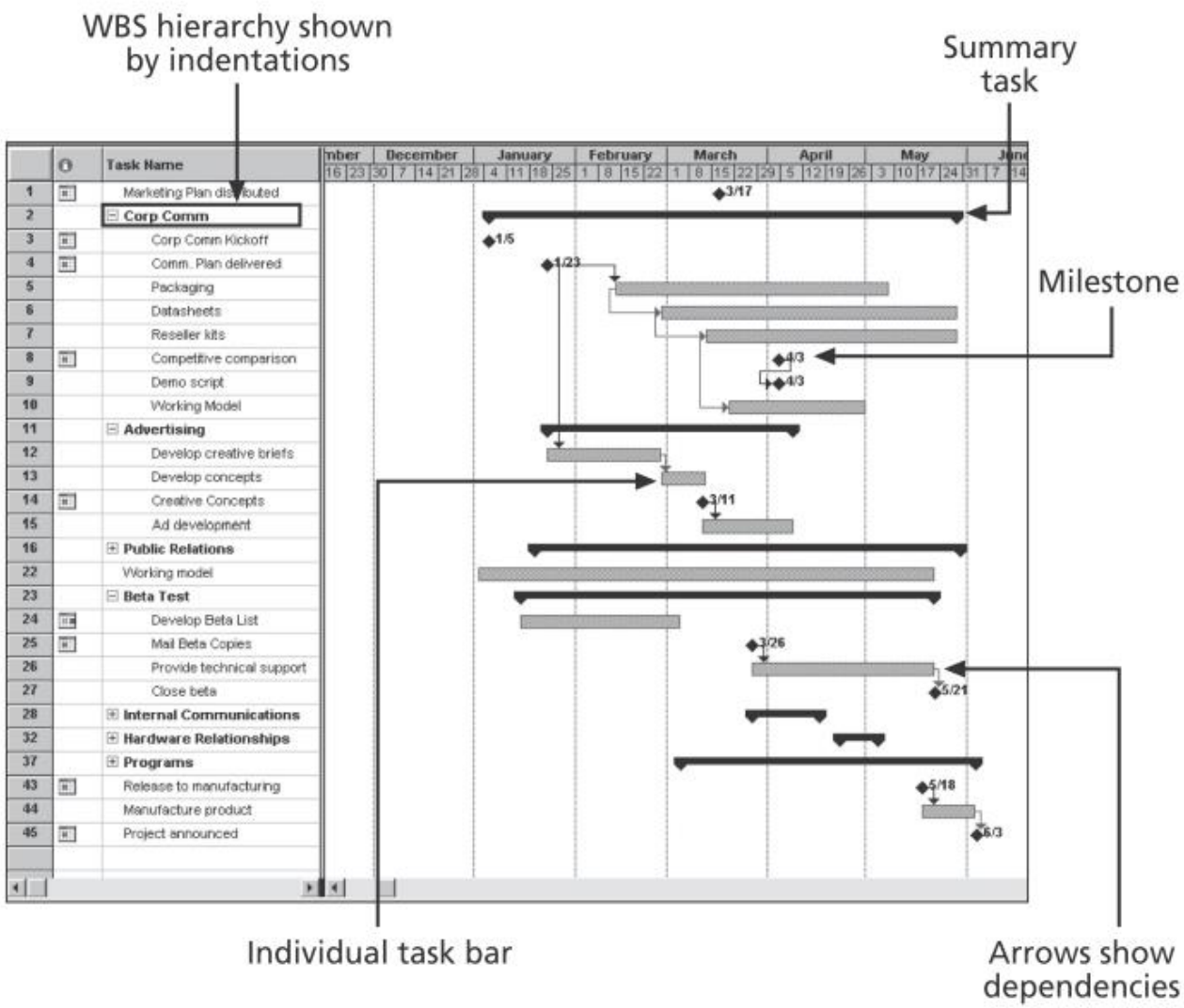
Gantt Charts





P5: Developing the Schedule

Gantt Charts



Milestones emphasize important events or accomplishments on projects

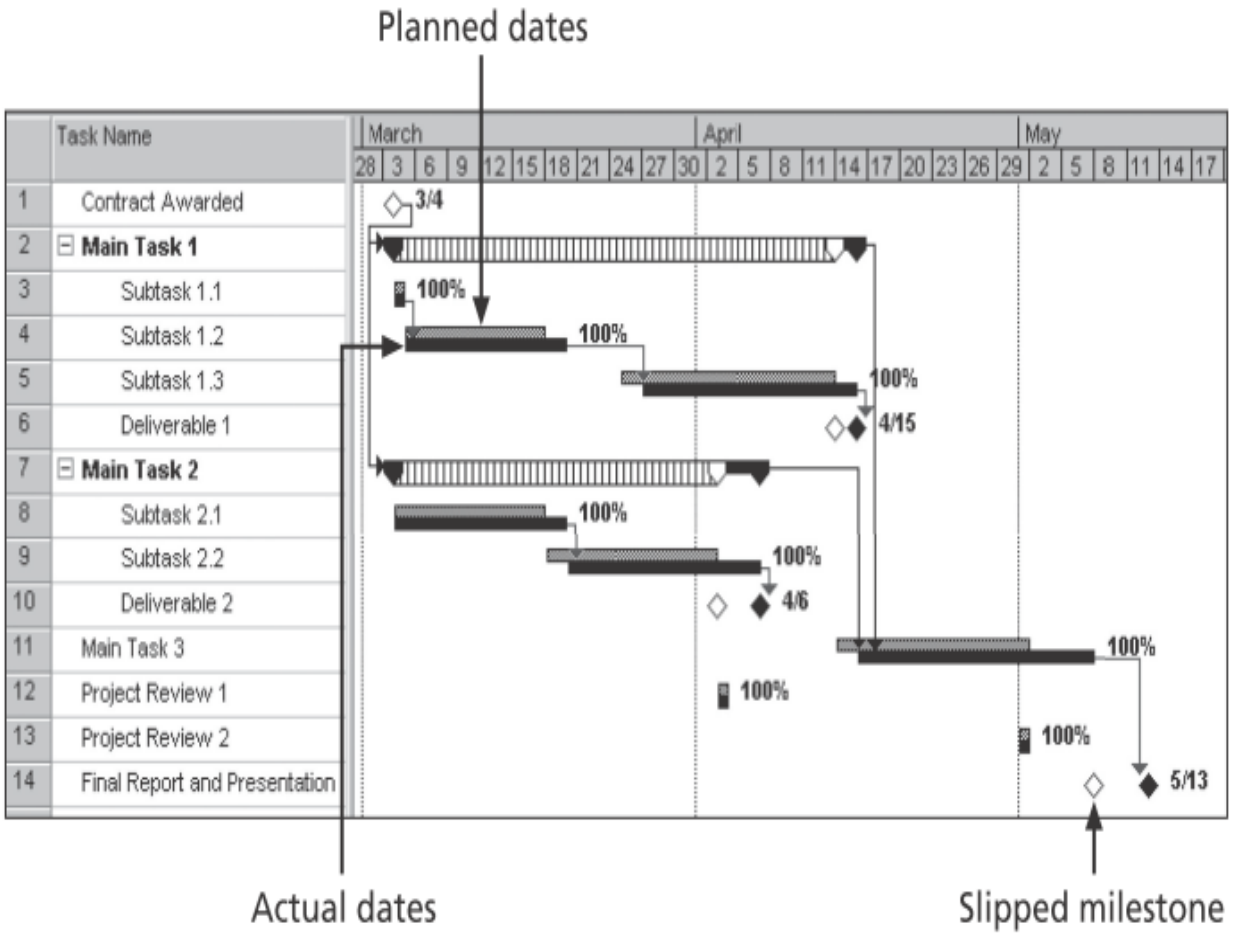
Normally create milestone by entering tasks with a zero duration, or you can mark any task as a milestone

Milestones should be

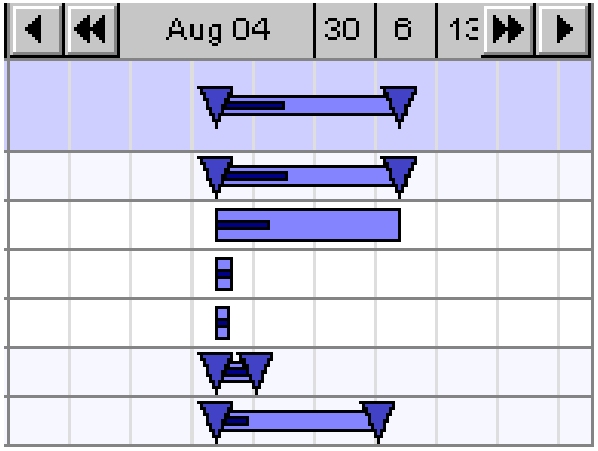
- **S**pecific
- **M**easurable
- **A**ssignable
- **R**ealistic
- **T**ime-framed

P5: Developing the Schedule

Tracking Gantt Charts



A slipped milestone means the milestone activity was actually completed later than originally planned.



Tracking completion

P5: Developing the Schedule

Critical Path Method (CPM)

PERT Analysis

Thank you for Listening