

WVU LDCSEE CS 430

Project Scheduling and Tracking

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Why Are Projects Late?

- an unrealistic deadline established by someone outside the software development group
- changing customer requirements that are not reflected in schedule changes;
- an honest underestimate of the amount of effort and/or the number of resources that will be required to do the job;
- predictable and/or unpredictable risks that were not considered when the project commenced;
- technical difficulties that could not have been foreseen in advance;
- human difficulties that could not have been foreseen in advance;
- miscommunication among project staff that results in delays;
- a failure by project management to recognize that the project is falling behind schedule and a lack of action to correct the problem

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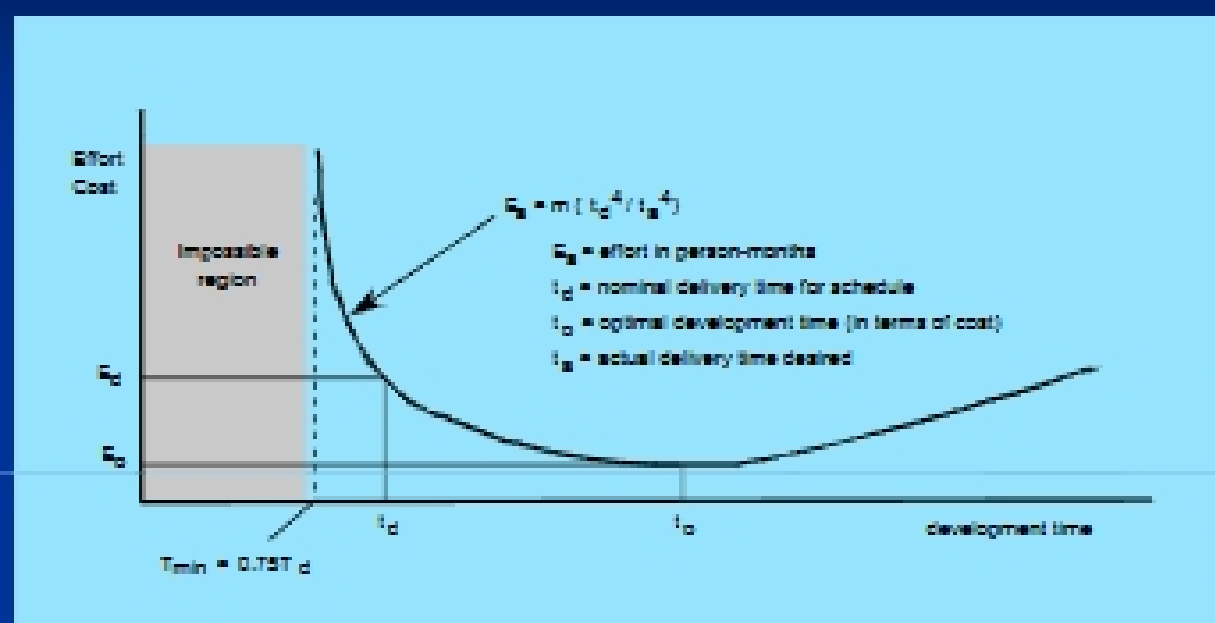
Scheduling Principles

- **compartmentalization**—define distinct tasks
- **interdependency**—indicate task interrelationship
- **effort validation**—be sure resources are available
- **defined responsibilities**—people must be assigned
- **defined outcomes**—each task must have an output
- **defined milestones**—review for quality

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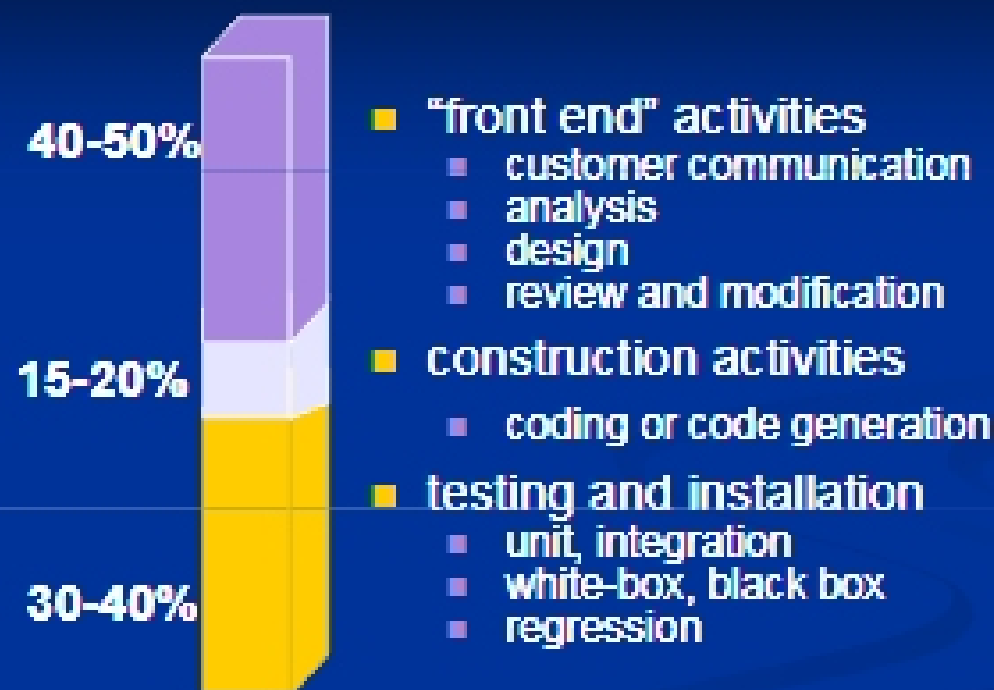
Effort and Delivery Time



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Effort Allocation



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Defining Task Sets

- determine type of project
- assess the degree of rigor required
- identify adaptation criteria
- select appropriate software engineering tasks

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