

# Unit 11.

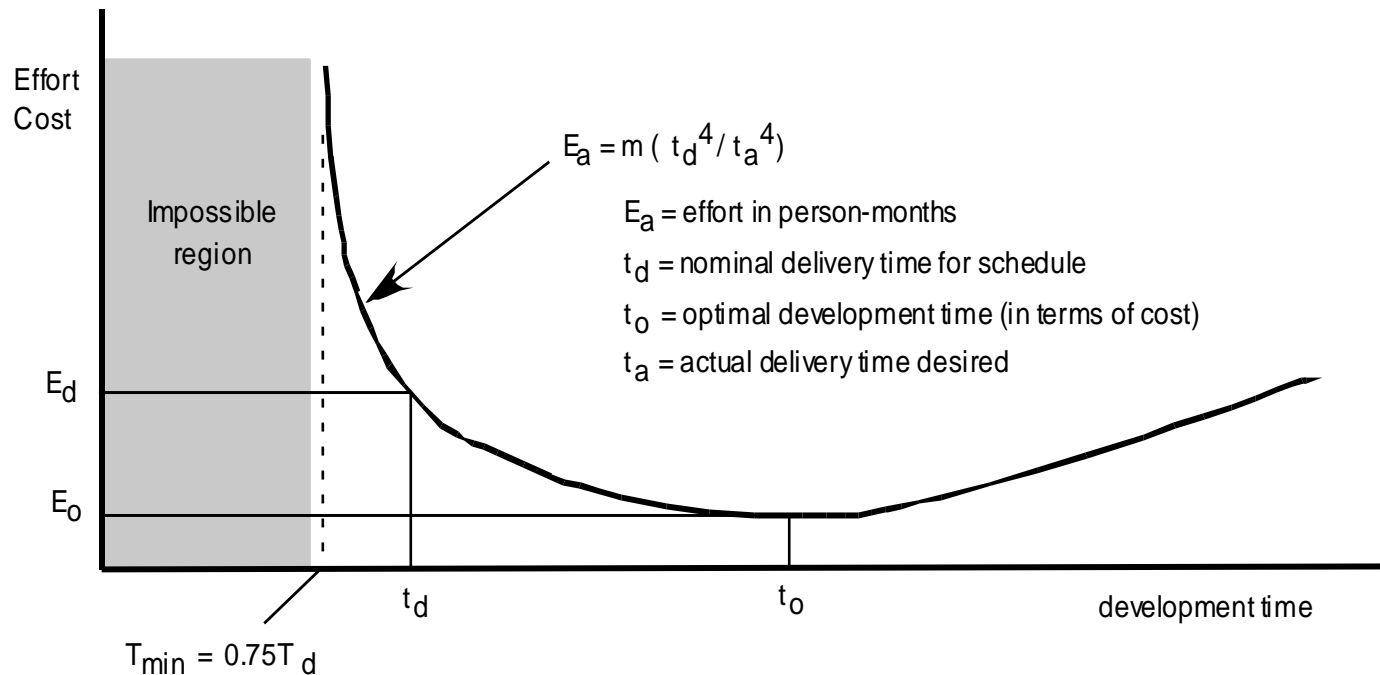
## Project Scheduling

# Scheduling Principles

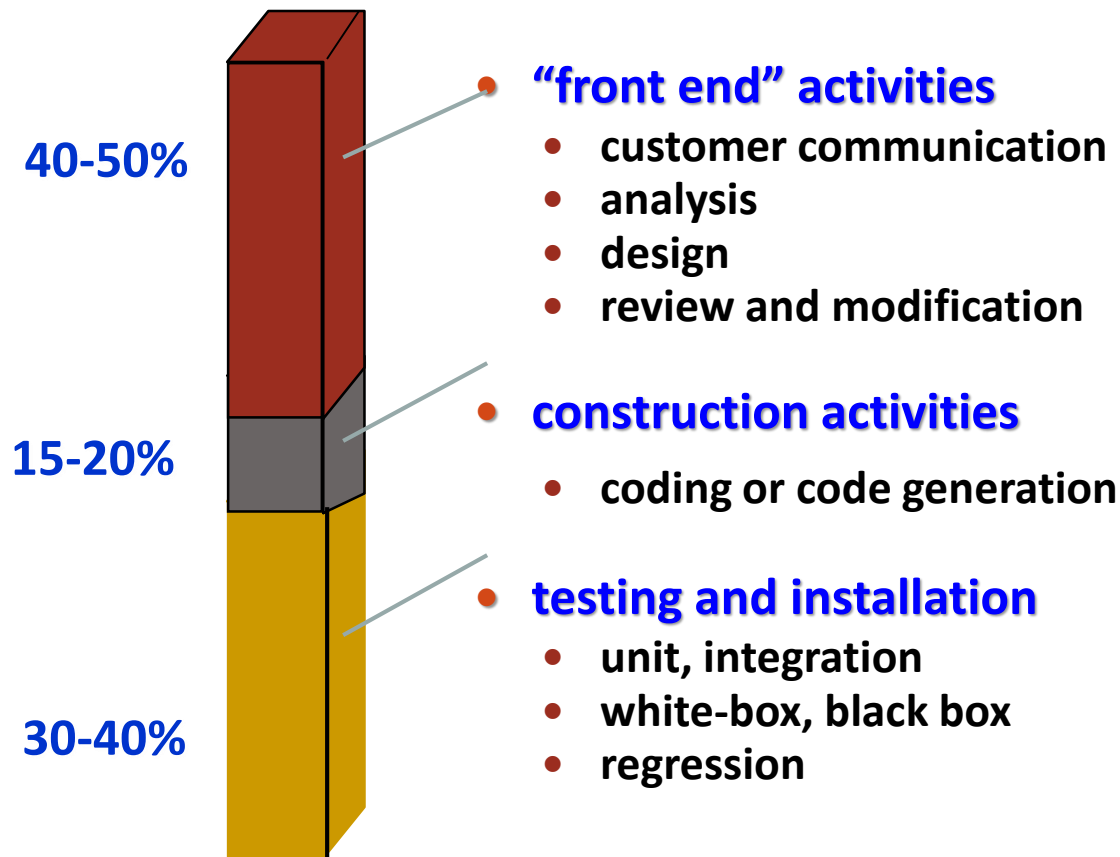
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- **Compartmentalization**
  - Define distinct tasks.
- **Interdependency**
  - Indicate task interrelationship.
- **Effort Validation**
  - Be sure resources are available.
- **Defined Responsibilities**
  - People must be assigned.
- **Defined Outcomes**
  - Each task must have an output.
- **Defined Milestones**
  - Review for quality.

# Effort and Delivery Time



# Effort Allocation

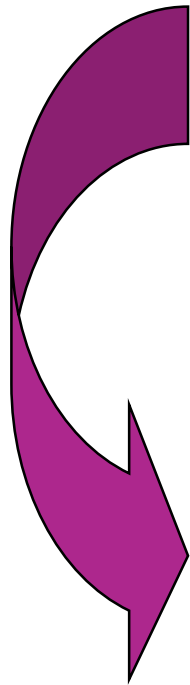


# Defining Task Sets

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- **Determine type of project.**
- **Assess the degree of rigor required.**
- **Identify adaptation criteria.**
- **Select appropriate software engineering tasks.**

# Task Set Refinement



is refined to

## 1.1 Concept scoping determines the overall scope of the project.

Task definition: Task 1.1 Concept Scoping

1.1.1 Identify need, benefits and potential customers;

1.1.2 Define desired output/control and input events that drive the application;

Begin Task 1.1.2

1.1.2.1 FTR: Review written description of need

FTR indicates that a formal technical review (Chapter 26) is to be conducted.

1.1.2.2 Derive a list of customer visible outputs/inputs

1.1.2.3 FTR: Review outputs/inputs with customer and revise as required;

endtask Task 1.1.2

1.1.3 Define the functionality/behavior for each major function;

Begin Task 1.1.3

1.1.3.1 FTR: Review output and input data objects derived in task 1.1.2;

1.1.3.2 Derive a model of functions/behaviors;

1.1.3.3 FTR: Review functions/behaviors with customer and revise as required;

endtask Task 1.1.3

1.1.4 Isolate those elements of the technology to be implemented in software;

1.1.5 Research availability of existing software;

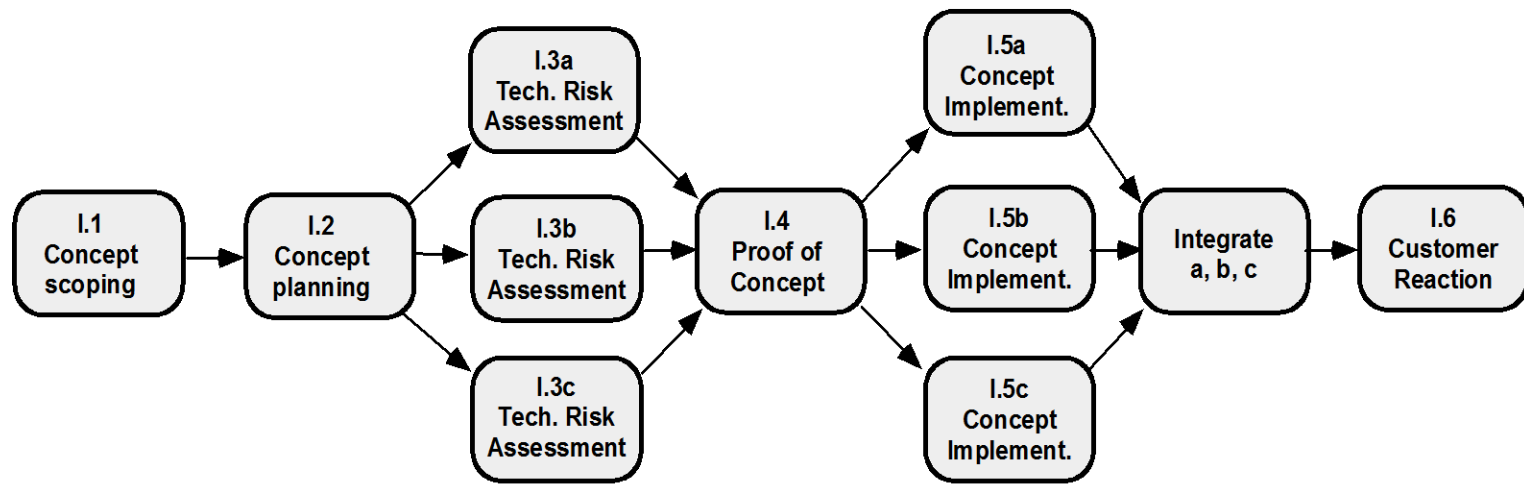
1.1.6 Define technical feasibility;

1.1.7 Make quick estimate of size;

1.1.8 Create a Scope Definition;

endTask definition: Task 1.1

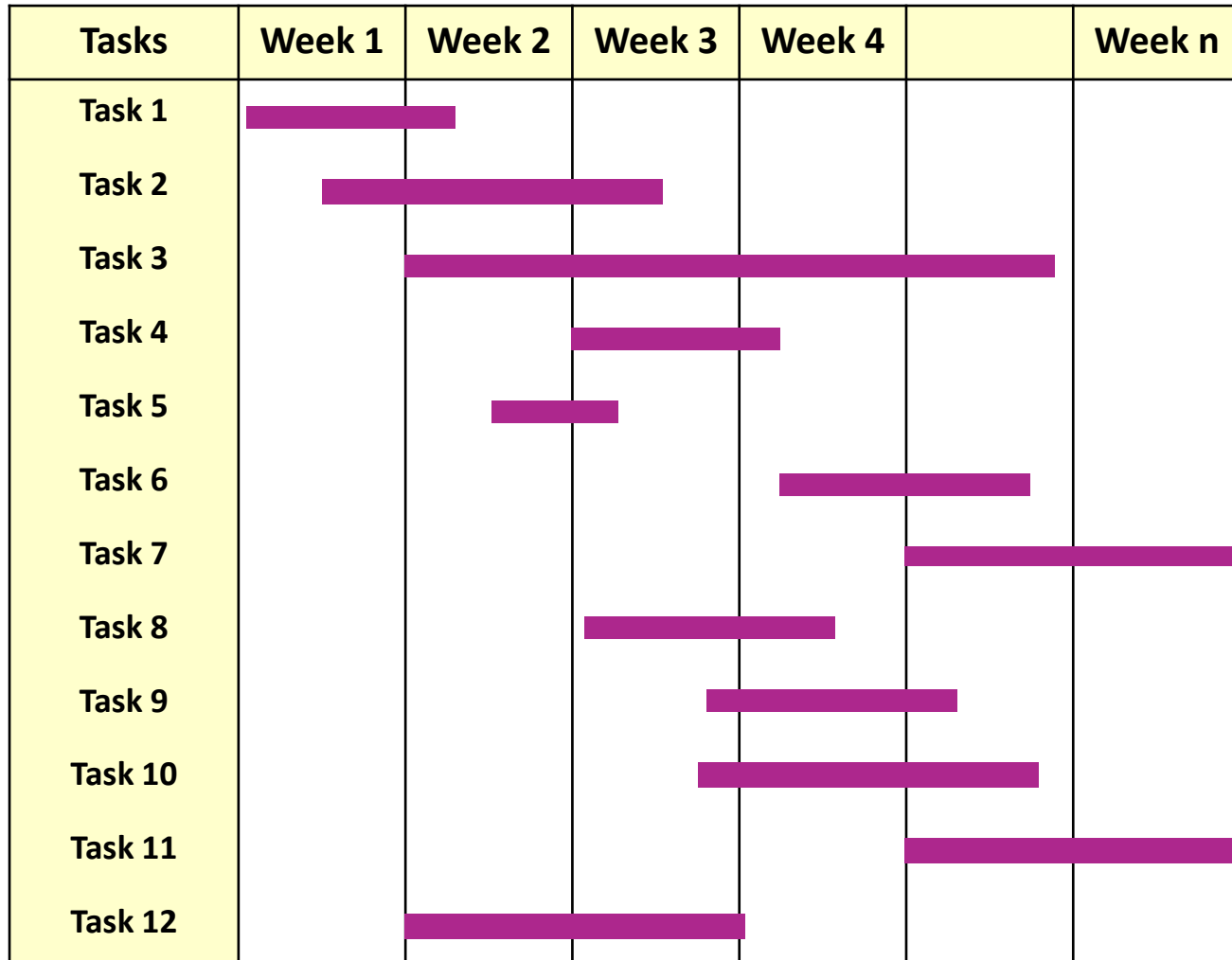
# Define a Task Network



*Three I.3 tasks are applied in parallel to 3 different concept functions*

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# Timeline Charts





# Tools for Timeline Charts

