

Technical Communication for Computer Scientists

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Learning Objectives for Today

Review of Active Listening and Logical Speaking

Project Management

Project Management Game



Eye Contact

Eye contact during the conversation shows the speaker that you give him your attention and that you really care about what he says.



Avoid Distractions

There are so many examples of distractions such as our thoughts, mobile phones, gadgets, music, side activities, other people and more. Learn to avoid these distractions otherwise they can destroy your conversation.



Body Gestures

Body gestures and language are a whole science. Your body gestures tell the speaker whether you listen carefully or not.



Give Feedback

Ask questions to clarify certain points, tell your opinions, summarize the speaker's comments.



Show That You're Listening

Use facial expressions such as smile, note your posture, encourage the speaker to share and to continue.

Listening allows you to learn, to have relationships, to plan, to develop, to be the part of something, to create, to think... and much more!

www.businessphrases.net

Active Listening

MECE:

Mutually Exclusive

Collectively Exhaustive

 $P1 \cup P2 \cup P3 = 1$

$$P1 \cap P2 = \emptyset$$

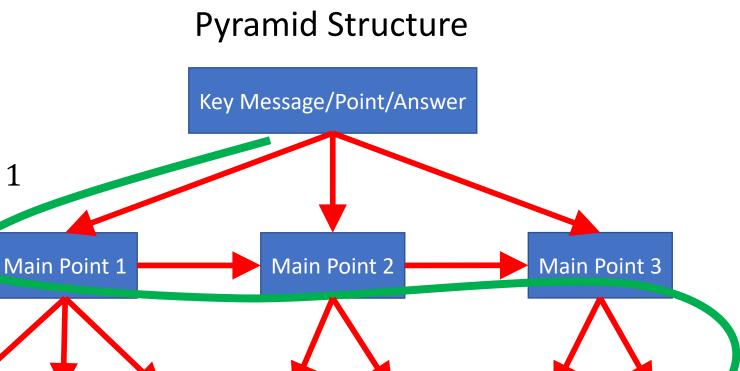
$$P1 \cap P3 = \emptyset$$

$$P2 \cap P3 = \emptyset$$

Logical Speaking

The Pyramid Principle

- Barbara Minto



supporting details

Conclusion

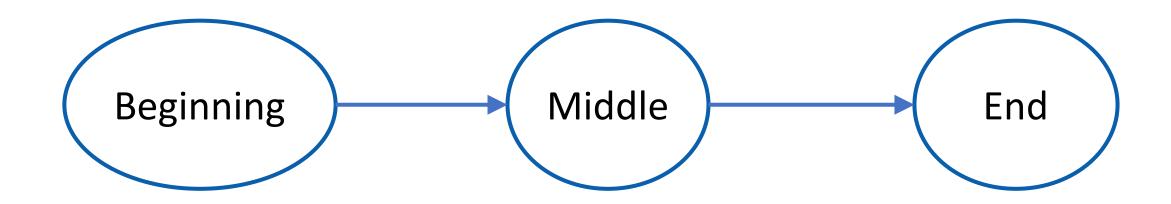


Project Management

8 things you want to know

- What is a Project?
- Process Groups
- The Triple Constraint
- Project Management Framework

What is a Project



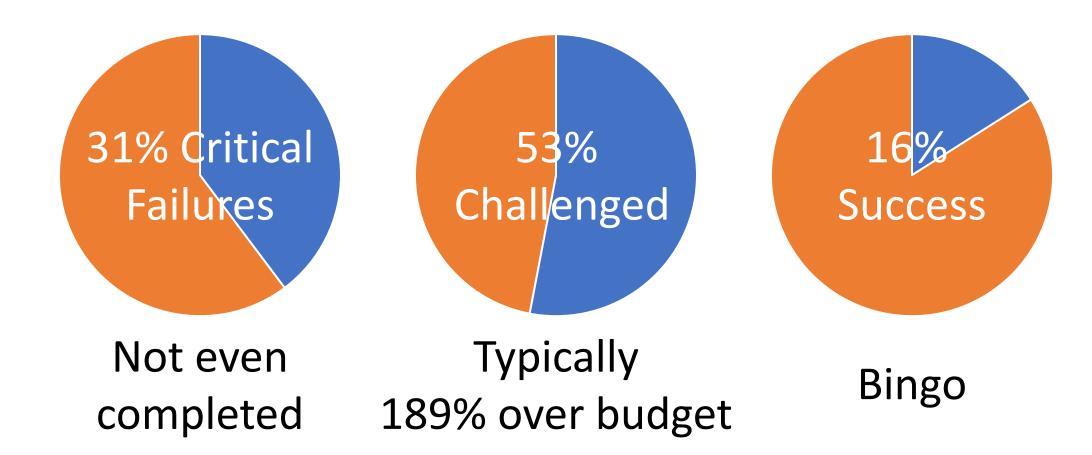
All projects have a beginning, a middle and an end.

What is a Project

A definition

"A temporary endeavor undertaken to accomplish a unique purpose"

Fact of Projects



Source: CHAOS Report 1995 by the Standish Group Access it here: http://net.educause.edu/ir/library/pdf/NCP08083B.pdf

Common characteristics

A target outcome

A defined life span

New or unique

Time, cost, performance requirements

Which can also be defined by what they are not

Explorations

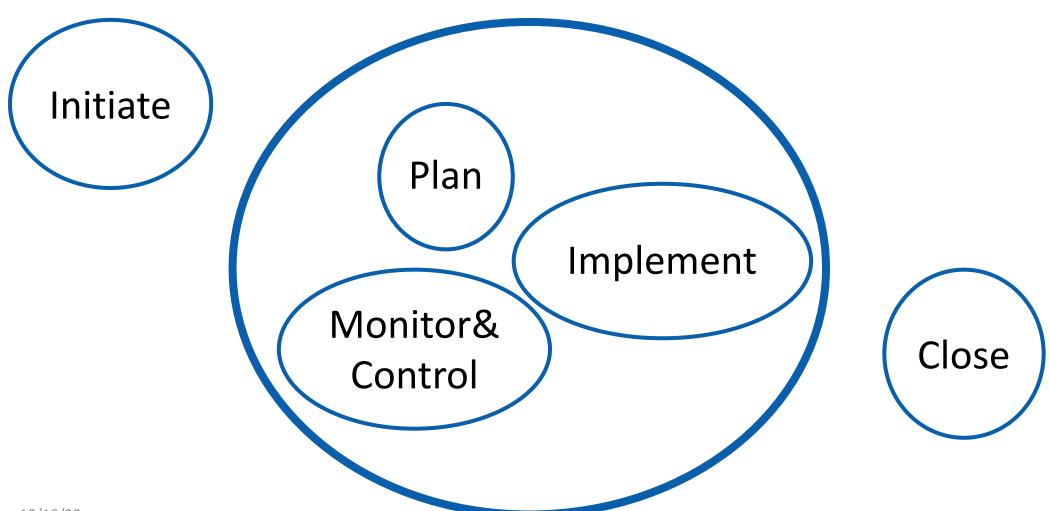
Go on indefinitely

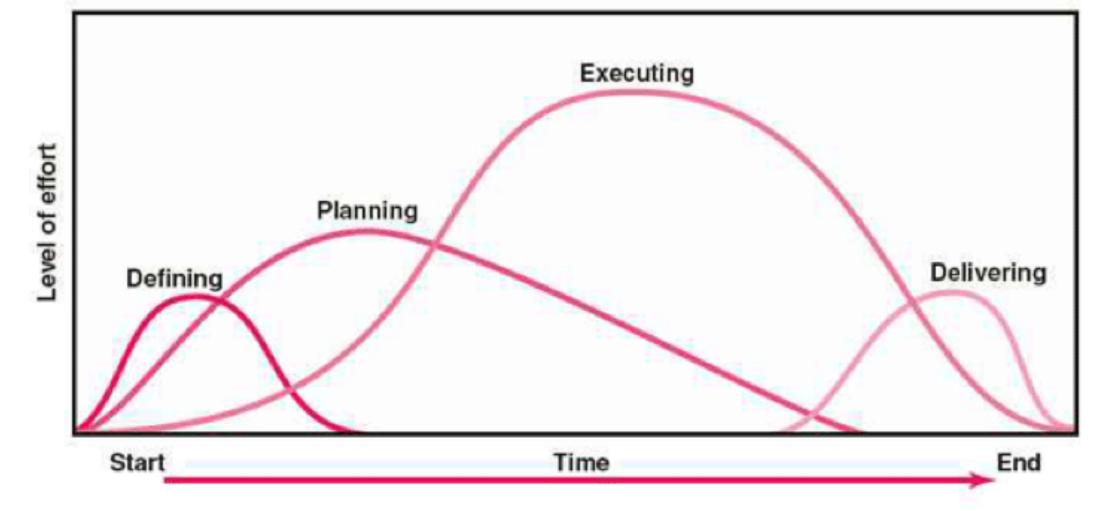
Creating the same thing multiple times

No constraints

10

Process Groups





Defining

- 1. Goals
- 2. Specifications
- 3. Tasks
- 4. Responsibilities

Planning

- 1. Schedules
- 2. Budgets
- 3. Resources
- 4. Risks
- 5. Staffing

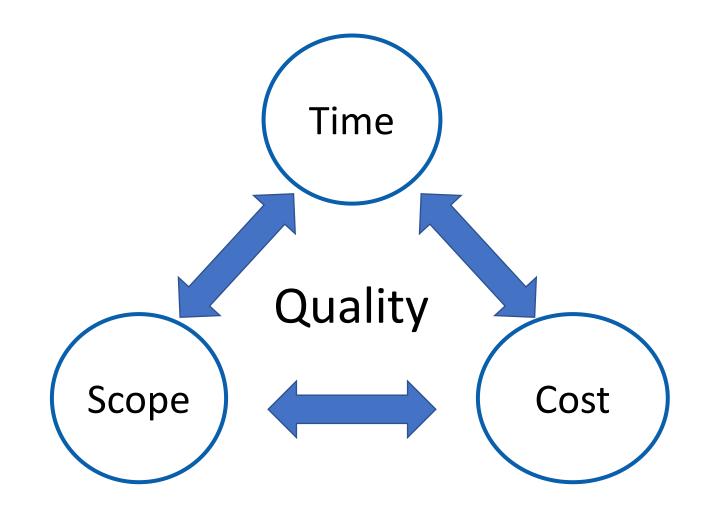
Executing

- Status reports
- 2. Changes
- 3. Quality
- 4. Forecasts

Delivering

- 1. Train customer
- 2. Transfer documents
- 3. Release resources
- 4. Release staff
- 5. Lessons learned

The Triple Constraint



Project Management Framework

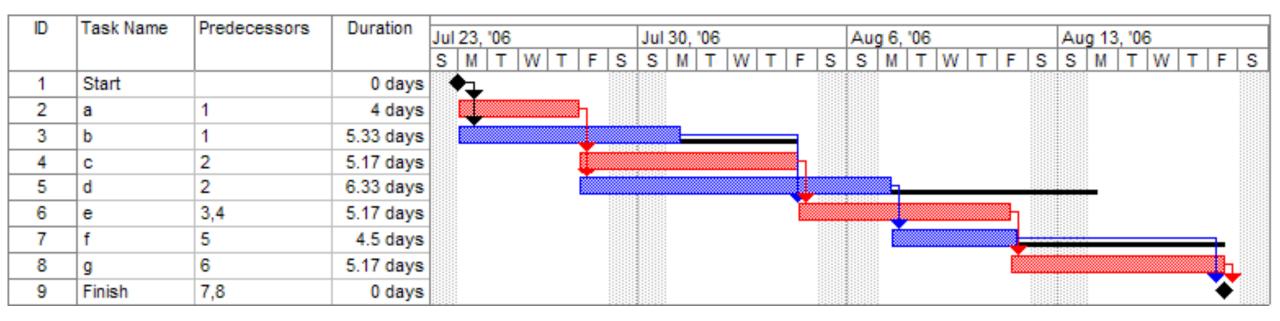




GanttProject

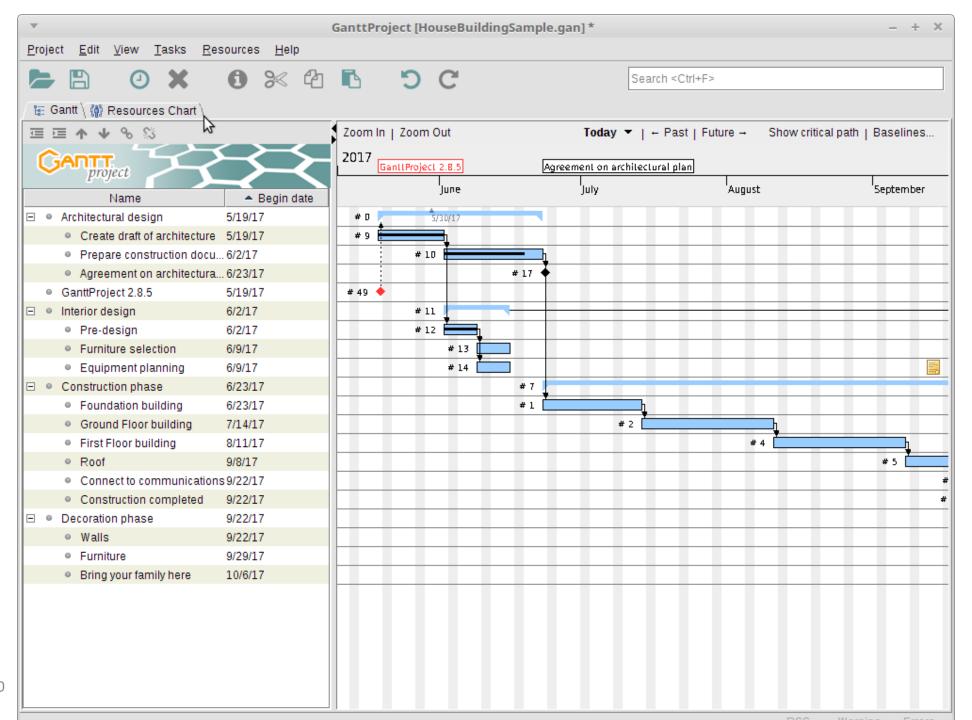
Project Schedule: Gantt

 A Gantt chart is a type of bar chart that illustrates a project schedule, named after its inventor, Henry Gantt.



Demo

• Schedule of building a new house



Project Management Exercise

 Design and implement an online shopping website with 1 million RMB that satisfies 1 million monthly users.

