
Project

What is a project ?

“ a **temporary** endeavor
undertaken to create a **unique**
product, service, or result ”

*PMBOK (Project Management Body of Knowledge)
6th edition*

Characteristics of a project

- temporary -- it has a beginning and an end
 - unique
-
- create or change a specific product or service
 - not the usual day to day operation

Project ?

- planning a wedding
- MRTA yellow line construction
- lift maintenance
- designing a new house
- car production line
- cooking dinner

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Stakeholder

“ individuals and organizations who are actively **involved** in the project, or whose interests may be positively or negatively **affected** as a result of project execution or successful project completion ”

Project Management Institute (PMI®), 1996

-
- team members
 - customers
 - sponsors
 - vendors

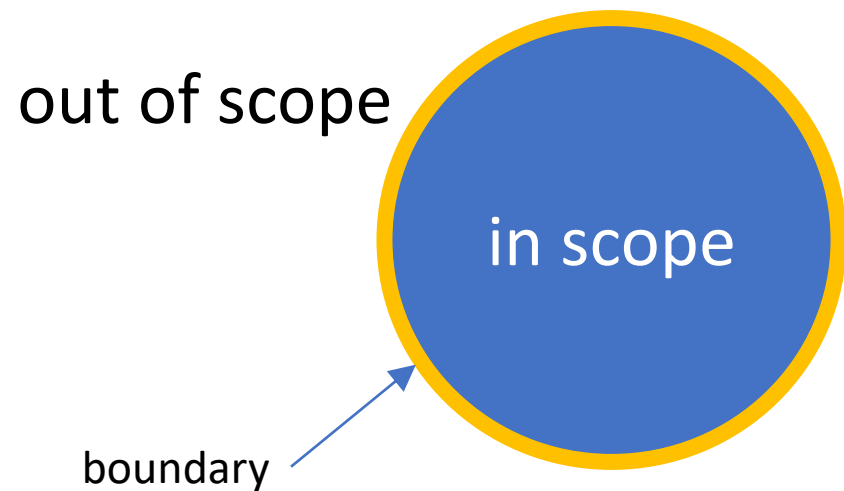
...

it is important that everyone understand and agree upon what the project is supposed to accomplish.

- who requests for the project
- who will use the project
- who will have to change the way they work because of the project
- who makes decision
- who can change project direction
- who owns resources

Scope

- What the project is accomplishing ?
- What the project is not accomplishing ?



Boundary

“ measurable and auditable characteristics that define what **belongs** to the project and what **doesn't belong** to it ”

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Boundary

What's included in the project. What is not.

Example

COVID-19 tracker application

- the application is to be used in Thailand only
- the application cannot work if the location service and Bluetooth are off
- the notification will be sent to high-risk users in real-time when COVID cases are confirmed by the DDC

Constraint

“ a **limiting** factor that affects the execution of a project, program, portfolio or a process ”

PMBOK® Guide

“ restrictions imposed by project stakeholders or environment that **limits** the options of a project team ”

PMI

Constraint

A factor that may place limitations on

- what you do
- how you do
- when you do

Examples

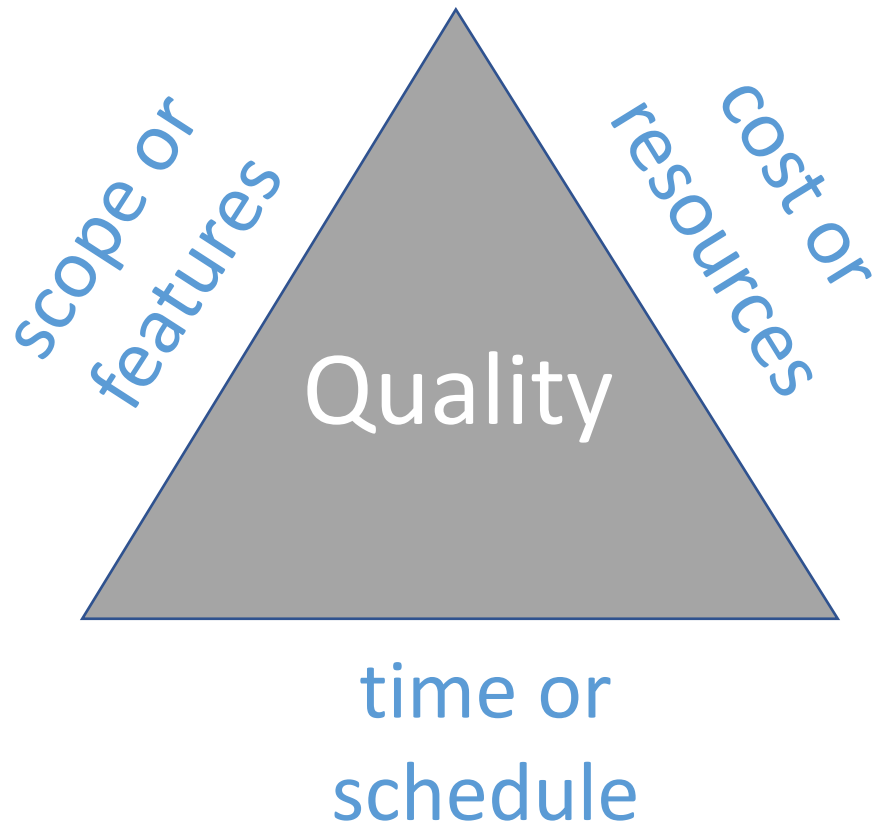
- wedding date
- budget
- law

Common Project Constraints

- Cost
 - how much money is available to achieve this outcome ?
- Scope
 - what exactly is the expected outcome ?
- Quality
 - how close the outcome matches expectation ?
- Risk
 - what can go wrong and what can be done about it ?
- Resources
 - who and what is required to do the work ?
- Time
 - when should the output be delivered ?

The Classic Constraints Triangle

- constraints are interrelated
- keep them balanced



Assumption

“ a factor in planning process that is considered to be **true, real** or **certain** often without any proof or demonstration ”

PMBOK® Guide 5th Edition

“ events or circumstances that are **expected to occur** during the project life-cycle ”

Assumption

Related to

- resource
- budget
- scope

Examples

- having an access to specific resources during the course of the project
- all equipment are in working condition during the course of the project
- the design must be approved in two weeks

Deliverable

“ a tangible, measurable and auditable **output** which is expected to be gained or produced upon successful accomplishment of the whole project or its certain part ”

<https://mymanagementguide.com/>

Deliverable

- Product
- Service
- Proposal
- Result

...

+ Documents

- Project status report, Variance report, Timesheet report

Examples

- A website
- A system