



Who is a Project Manager?

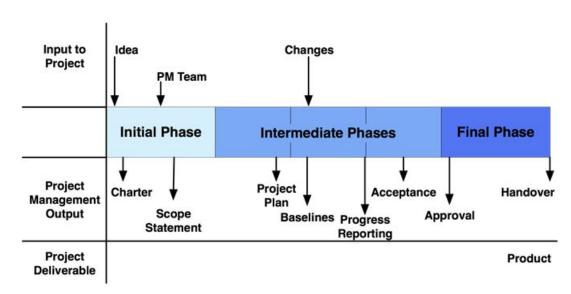
- Planning
- Scheduling
- Coordinating
- Working with people

Phases In a Project Life Cycle

The completion & approval of one or more deliverables defines a project phase.

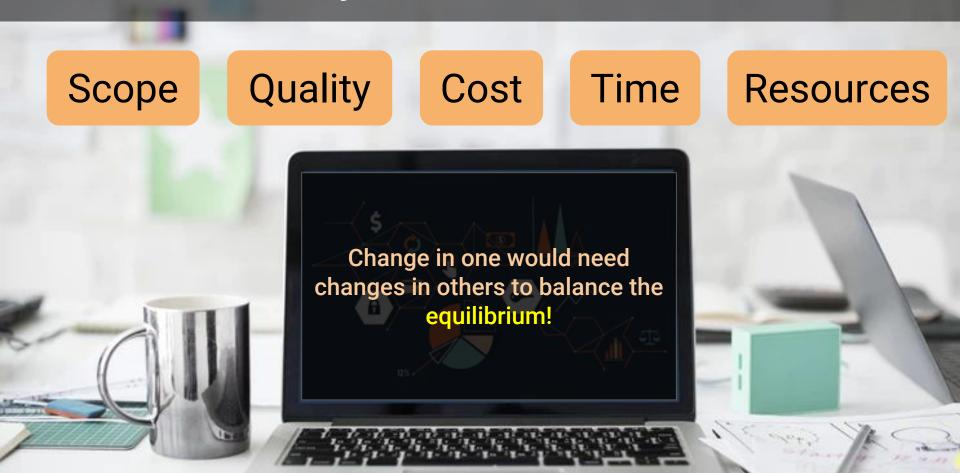
In iterative systems
development, new phase can
start without closing the
previous phase.

A phase can be closed without initiating subsequent phases.



Adapted from PMBOK Guide 3rd Edition Fig. 2-3

Project Parameters



Scope

Defines **boundaries** of the project

What's done & not done

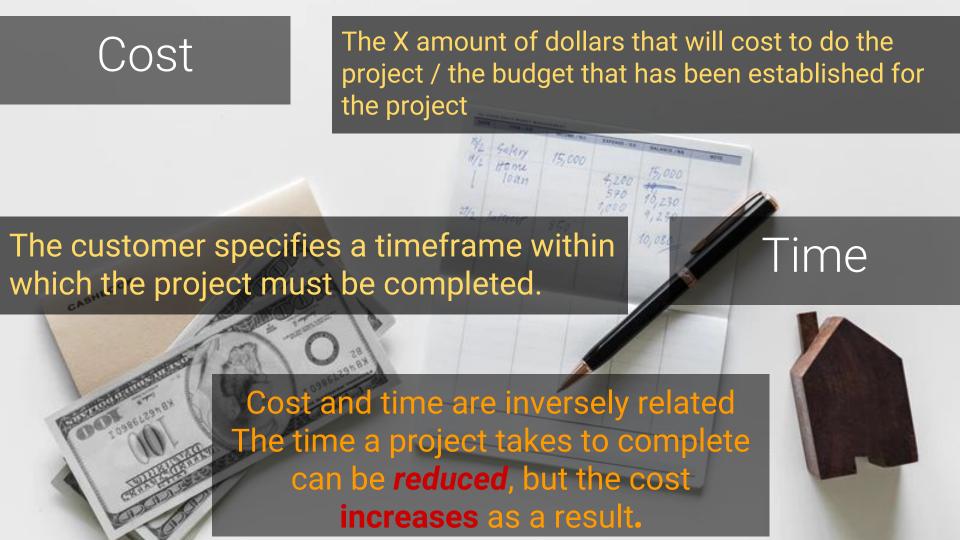
Quality

Product Quality

Quality of the deliverable from the project

Process Quality

Quality of project management. Focus on how well the process works and how can it be improved.





Assets such as people, equipment, physical facilities or inventory that have limited availabilities, can be scheduled or can be leased from an outside party.

Some are **fixed** others are **variable** only in the long term. Central to the scheduling of project activities and the orderly project completion.

Organizational Structures

Functional

Engineering, Marketing, Design, etc P&L from production

Projectized

Project A, Project B
Income from projects
PM has P&L responsibility

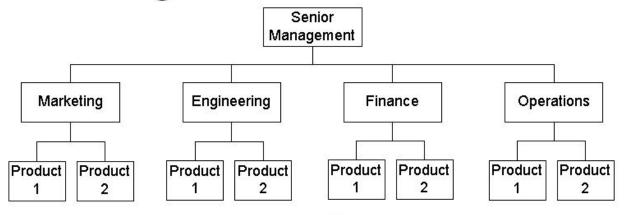
Matrix

Functional and Project based

Program Mgmt. Model

Shorter cycles, need for rapid development process

Functional Organization



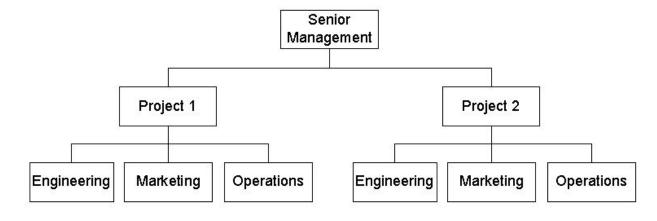
Pros

- Clear definition of authority
- Eliminates duplication
- Encourages specialization
- Clear career paths

Cons

- "Walls": can lack customer orientation
- "Silos" create longer decisions cycles
- Conflicts across functional areas
- Project leaders have little power

Projectized Organization



Pros

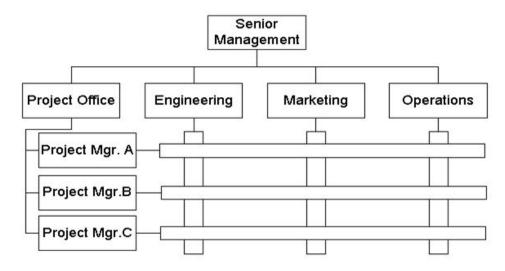
- Unity of command
- Effective intra-project communication

Cons

- Duplication of facilities
- Career path

Examples: defense avionics, construction

Matrix Organization



Pros

- Project integration across functional lines
- -Efficient use of resources
- -Retains functional teams

Cons

- Two bosses for personnel
- Complexity
- Resource & priority conflicts

Matrix Forms

Weak, Strong, Balanced Degree of relative power

Weak: functional-centric

Strong: project-centric

Organizational Structure – Influences on Projects

Organization Type	Functional	Matrix			
Project Characteristics		Weak Matrix	Balanced Matrix	Strong Matrix	Projectized
Project Manager's Authority	Little or None	Limited	Low to Moderate	Moderate To High	High to Almost Total
Percent of Performing Organization's Personnel Assigned Full- time to Project Work Project Manager's Role	Virtually None	0-25%	15-60% Full-time	50-95% Full-time	85-100% Full-time
Common Title for Project Manager's Role	Project Coordinator/ Project Leader	Project Coordinator/ Project Leader	Project Manager/ Project Officer	Project Manager/ Program Manager	Project Manager/ Program Manager
Project Management Administrative Staff	Part-time	Part-time	Part-time	Full-time	Full-time



Individuals & Interactions Over Tools & Processes

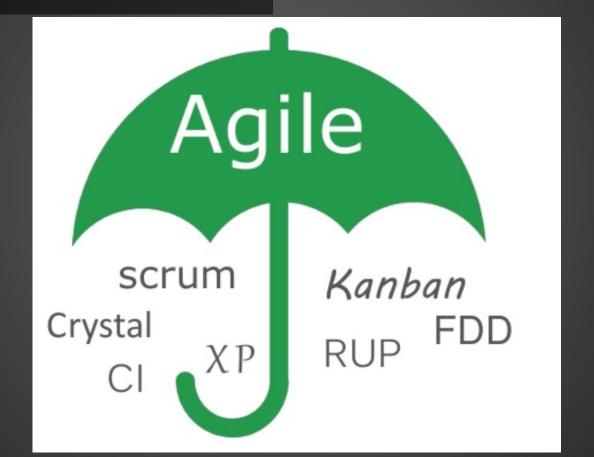
Working Software Over

Comprehensive Documentation

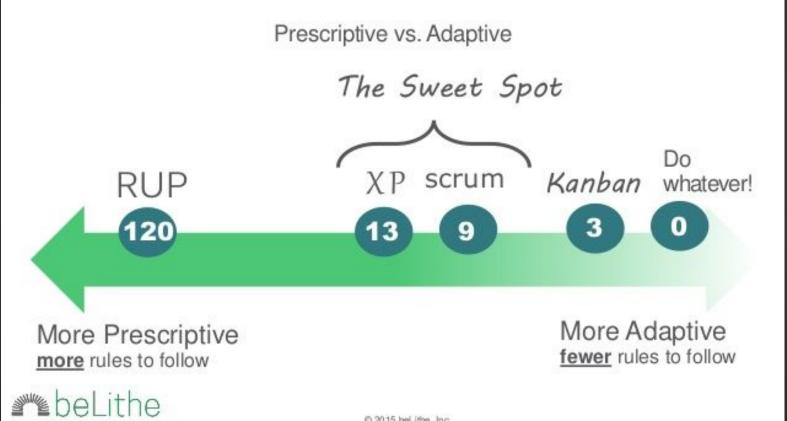
Customer Collaboration Over Contract Negotiation

Respond to Change Over Following a Plan

Agile Methodologies



Agile Methodologies



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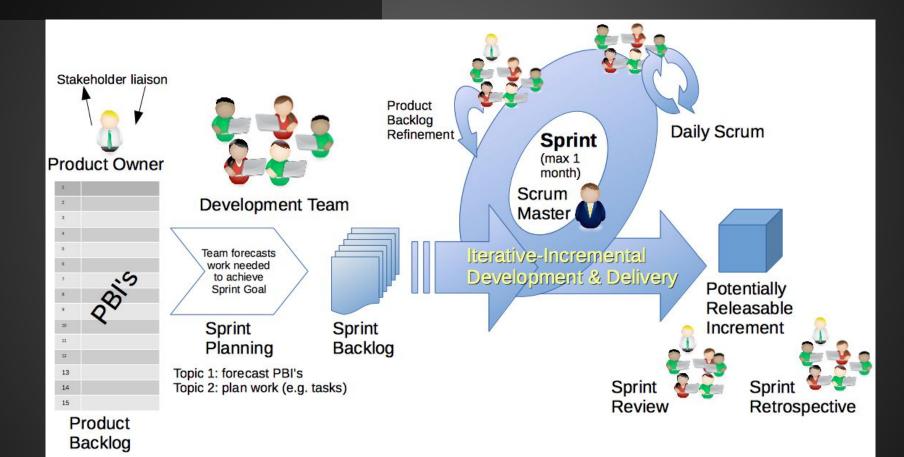
SCRUM Master

Servant Leader Resolves blockers Guardian of the Project!

SCRUM Master



SCRUM Framework



Writing User-stories/Epics

As <persona>,

I want <what?>

so that <why?>.

Writing User-stories/Epics

Wishlist Theme As a customer, I want to be able to have wishlists so that I can come Epic back to buy products later As a customer, I want to be able to As a customer, I want to be able to Stories save a product in my wishlist so that I view my wishlist so that I can buy can view it again later items from it Put 'Add to wishlist' Create page to Add 'View wishlist' Create new db to Tasks button on each display user's link to homepage store wishlist items wishlist product page

Backlog Grooming

- Removing user stories that no longer appear relevant
- Creating new user stories in response to newly discovered needs
- Re-assessing the relative priority of stories
- Assigning estimates to stories which have yet to receive one
- Correcting estimates in light of newly discovered information
- Splitting user stories which are high priority but too coarse grained to fit in an upcoming iteration

Backlog Grooming

How its Done! (Video)

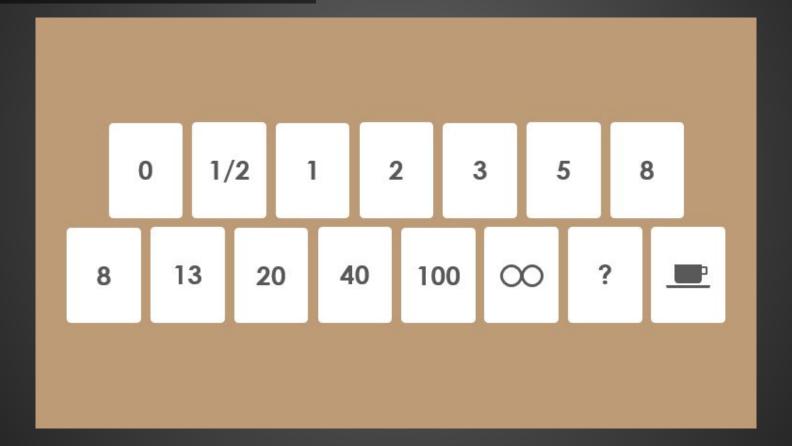


Planning Poker



https://play.google.com/store/apps/details?id=com.samcarton.planningpoker&hl=en

Planning Poker



Planning Poker

How its Done! (Video)

What did you do yesterday?
What are you going to do today?
What are your Impediments?

Daily Scrum

How its Done! (Video)

Demo

Target Process

Thank You