

Dedicated to _____

My honorable Spiritual Leader-

Yea Allahu !

Yea Rahmanu !!

Yea Rahim !!!



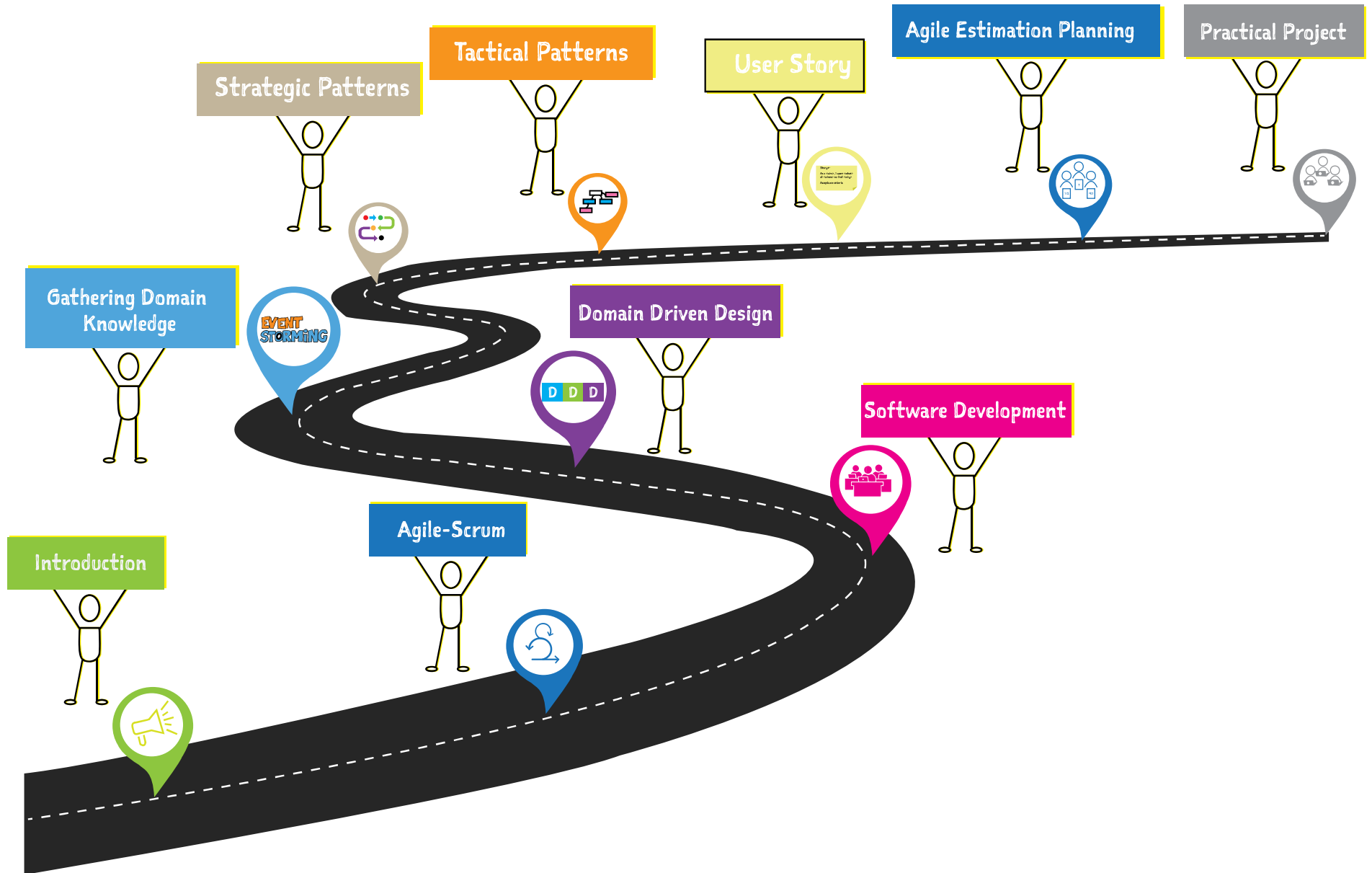
**Hazrat Shah Chandrapuri
(Naqshabondi-Mozaddedi)**

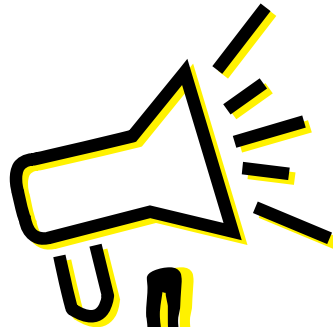
Chandrapara Paak Darbar Sharif, Sadarpur, Faridpur, Bangladesh

<https://www.chandrapara.com>

Purifying soul is the ideal duty (Farz) for every human- Hazrat Shah Chandrapuri (Naqshabondi-Mozaddedi)

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Introduction

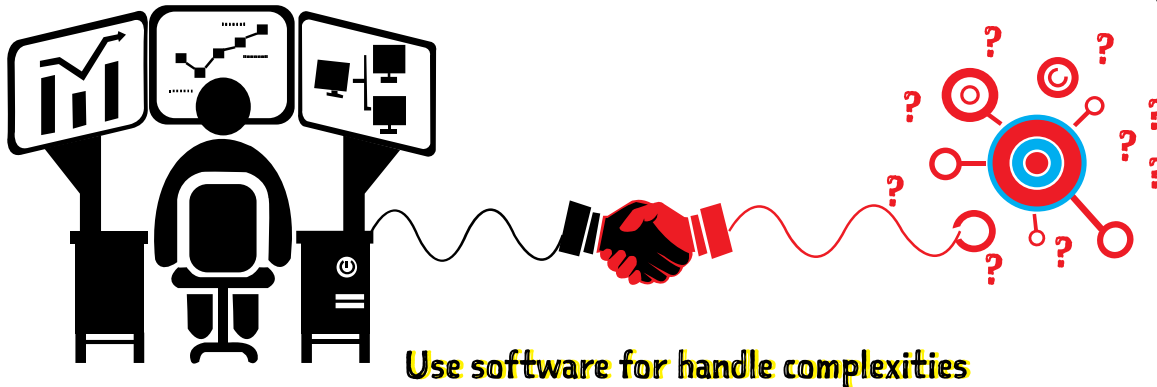
① Our modern life is full of complexity

in this complex arena we have to handle lot of responsibilities within very shortest possible time



Complex life with a lot of responsibilities
- Have to complete within shortest time

② We often use software to deal with some of those complexities



Use software for handle complexities

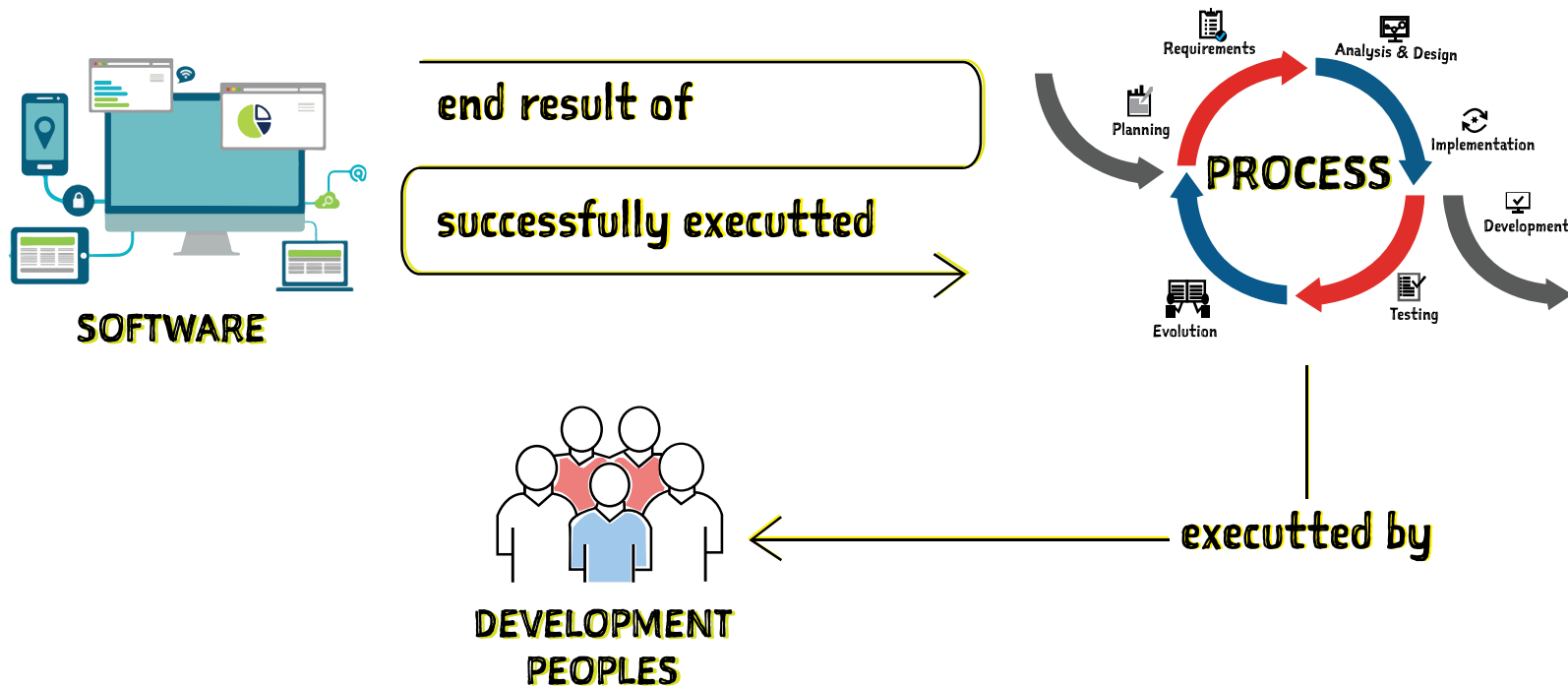
③ Example



We use HR-Payroll software to deal with
HR & Payroll related complexities

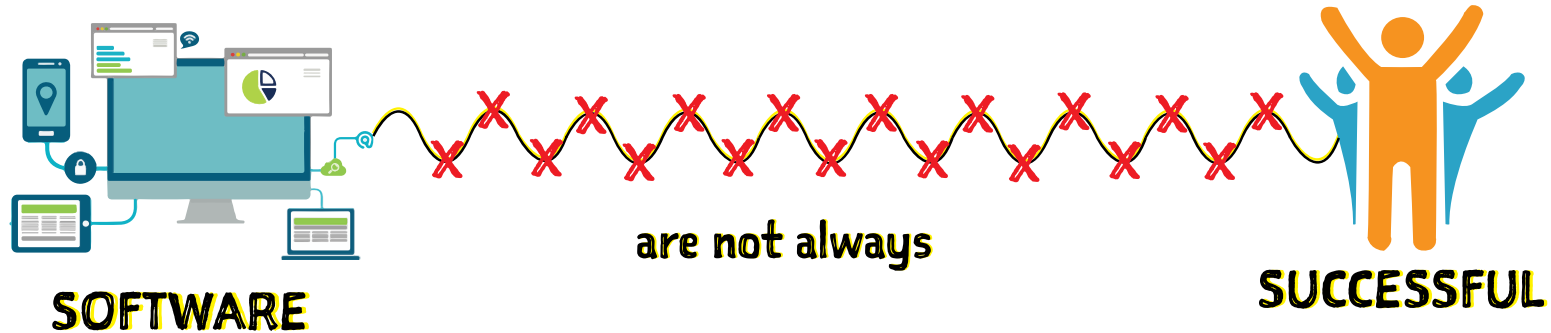
Software

- Software is the end result of a successful process
- That process is executed by Development peoples



Software

Although process executes successfully but not all software are successful



Successful software must

1

Meet



Clients Needs


2

Solve



Business Challenges

3 Reflects



Real Business Domain

4

Make



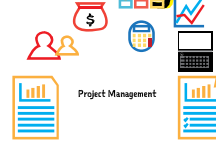
Clients Happy

Successful vs. Unsuccessful Software

Successful software are always useful and perfect



are always



and



Unsuccessful software are loss of time, money and effort



Failed Software

causes the loss of



Resulting- of unsuccessful software also includes-

⇒ clients disappointment



disappointed clients

⇒ developers frustration



frustrated developers

and

Software crisis



**Developing Successful Software
is very challenging**



**Successful
Software**

**Development
is**



**THE
STANDISH
GROUP**

REPORT SAYS

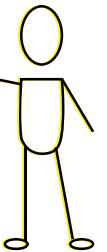


- Passed = 16%
- Failed = 31%
- Challenged = 53%

Reference: <https://www.javiergarzas.com>

According to Standish Group

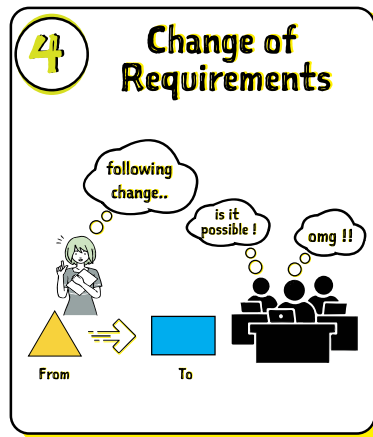
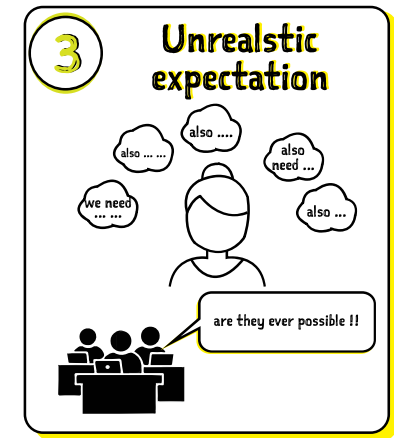
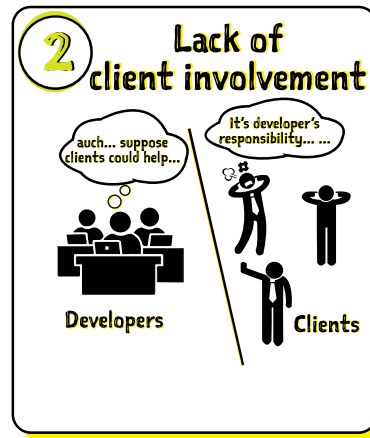
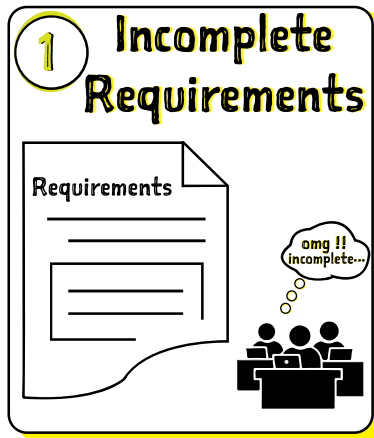
**"Only 16% software are considered as
successful and rest 84% are fails
due to different reasons"**



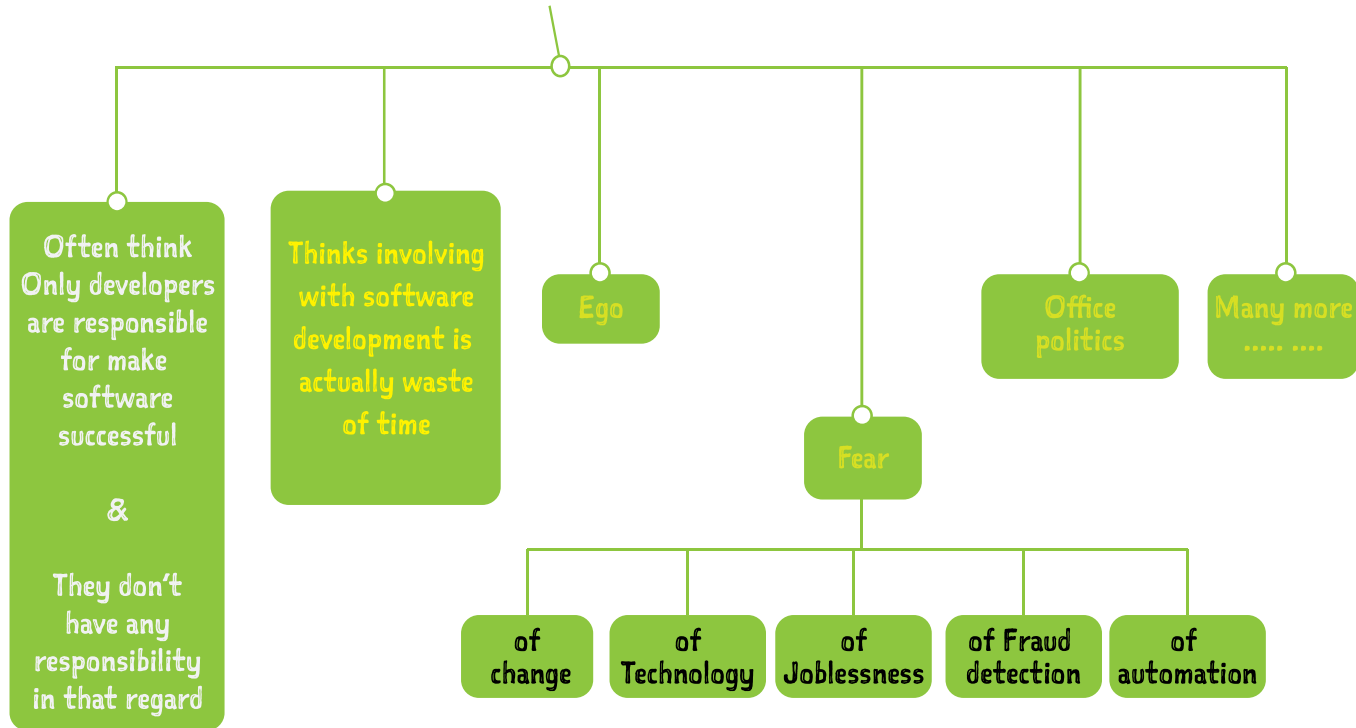
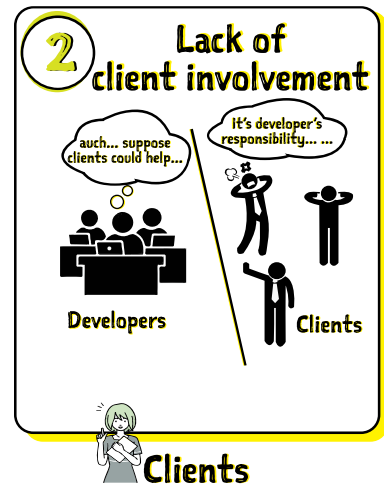
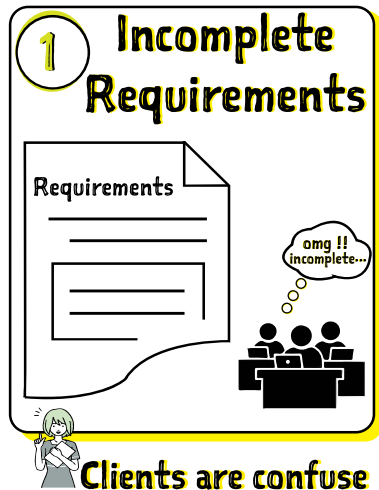
This is calls the crisis of successful software development

Reasons of crisis

Important factors those are closely related to software failure are the reasons of such crisis. Those factors are



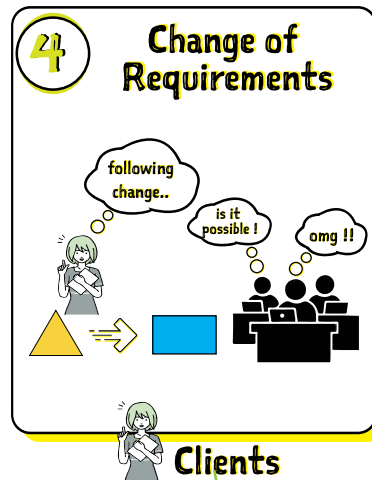
Reasons of crisis



Reasons of crisis



Often have unrealistic expectations those are quite impossible to meet in reality



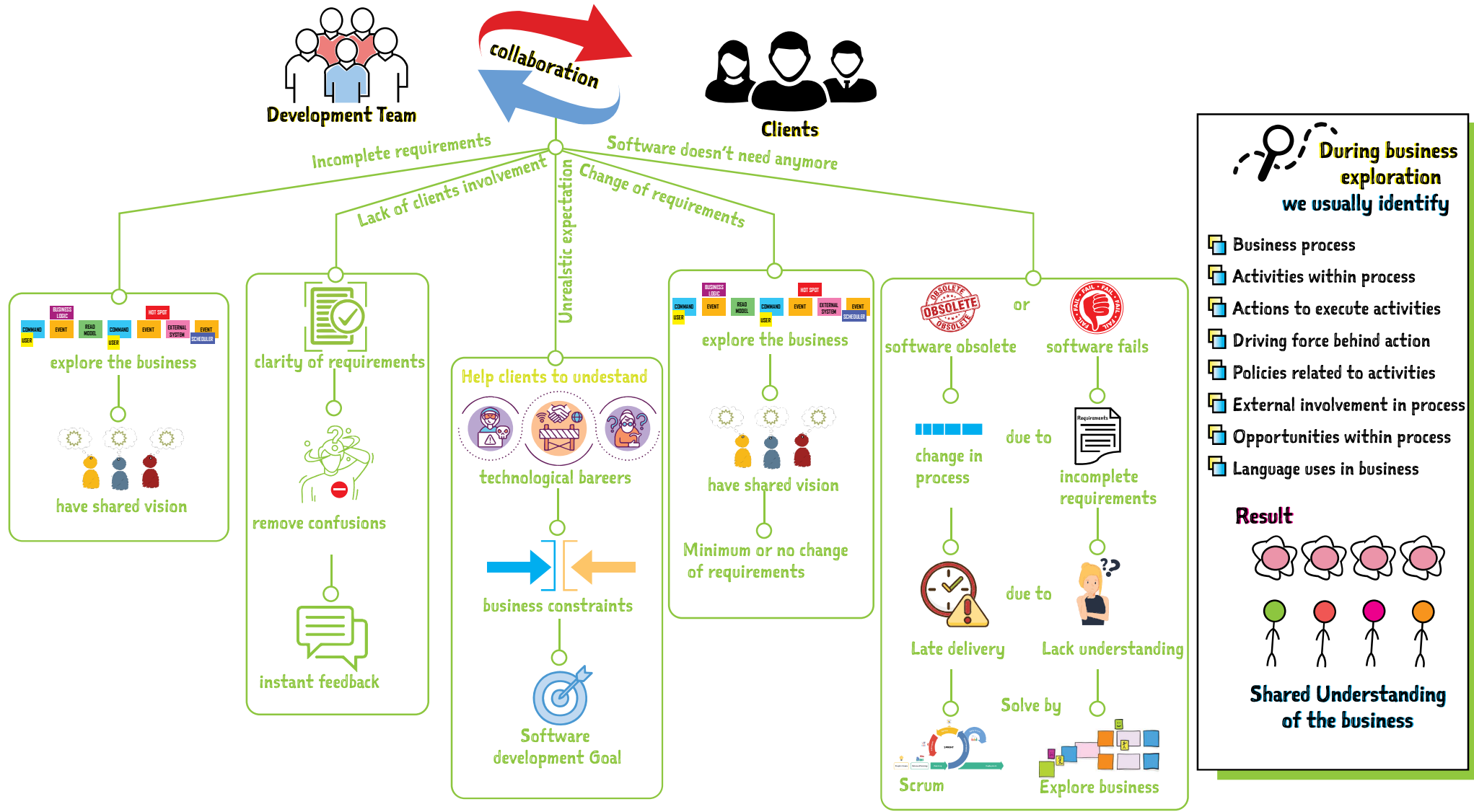
Often change requirements that is 180 degree angular than previous one also that is difficult to achieve



Often change requirements that is 180 degree angular than previous one also that is difficult to achieve

Solution

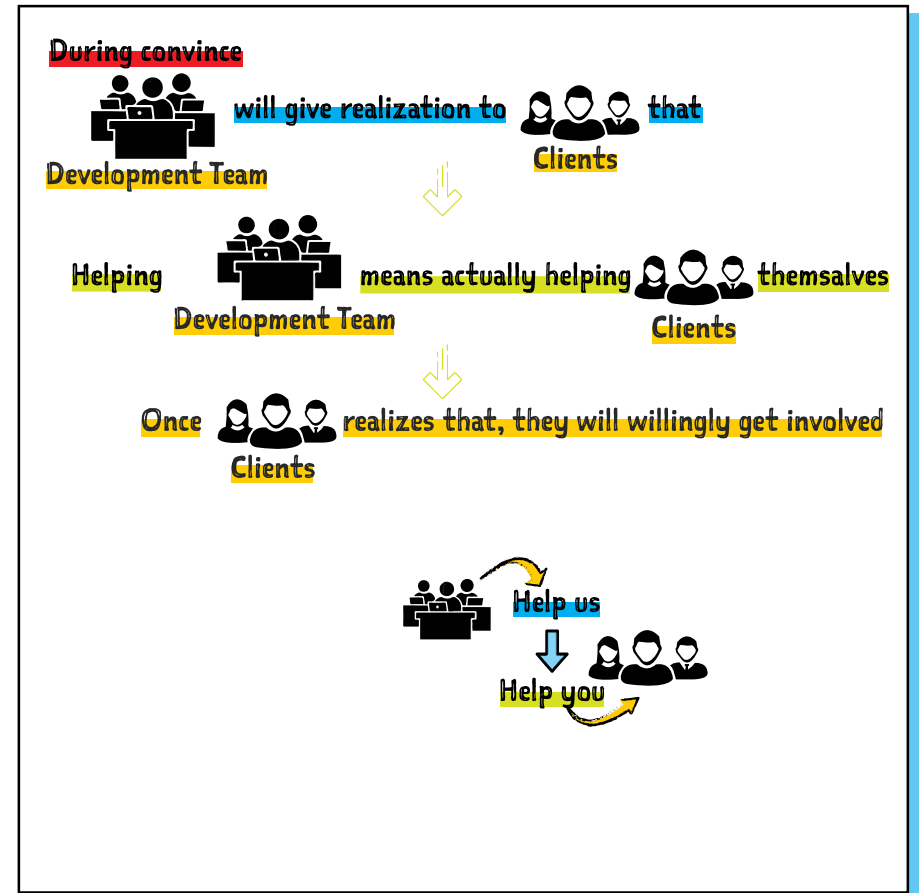
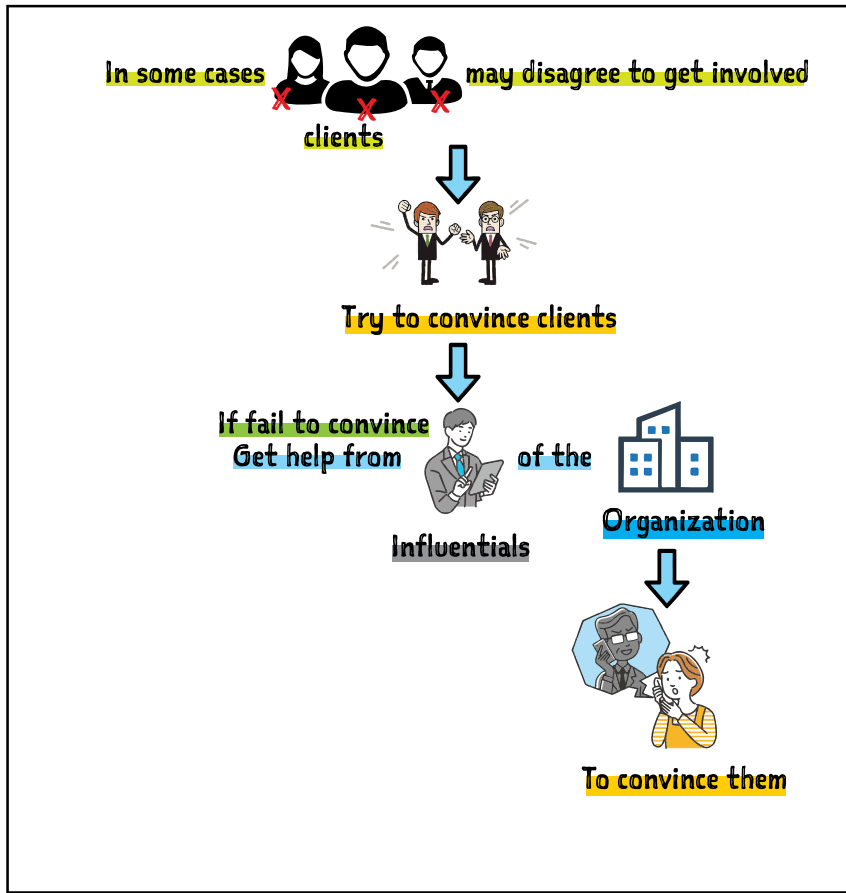
Both Developers & Domain Experts will work in collaboration with each other

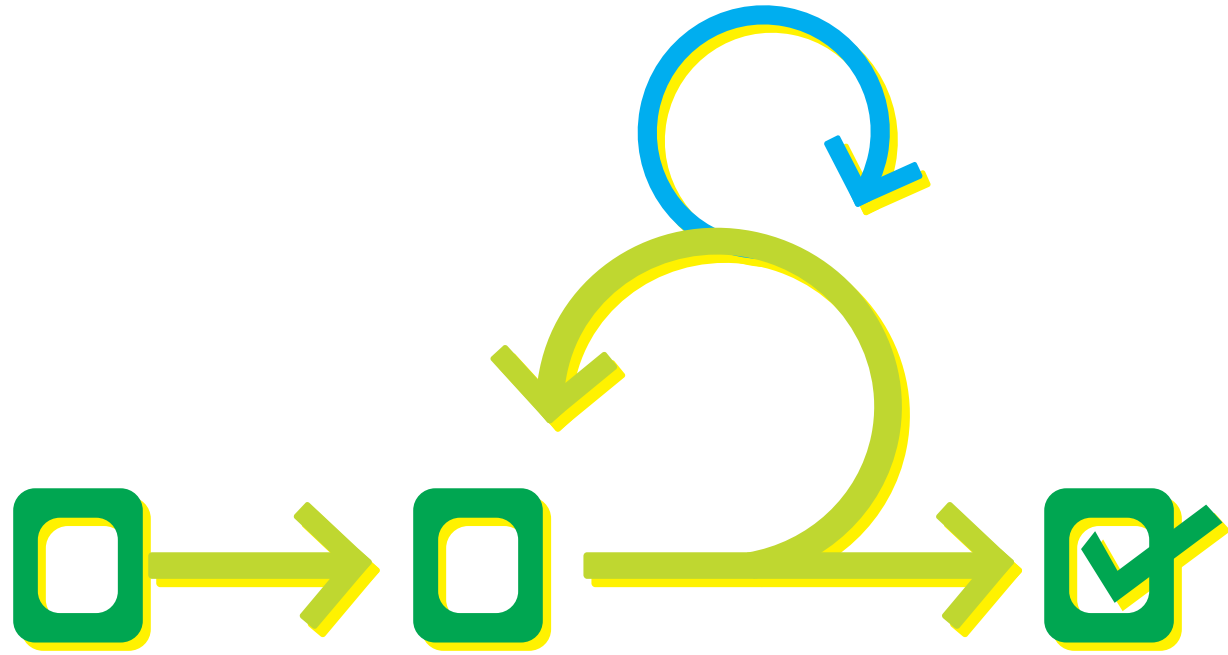


Solution



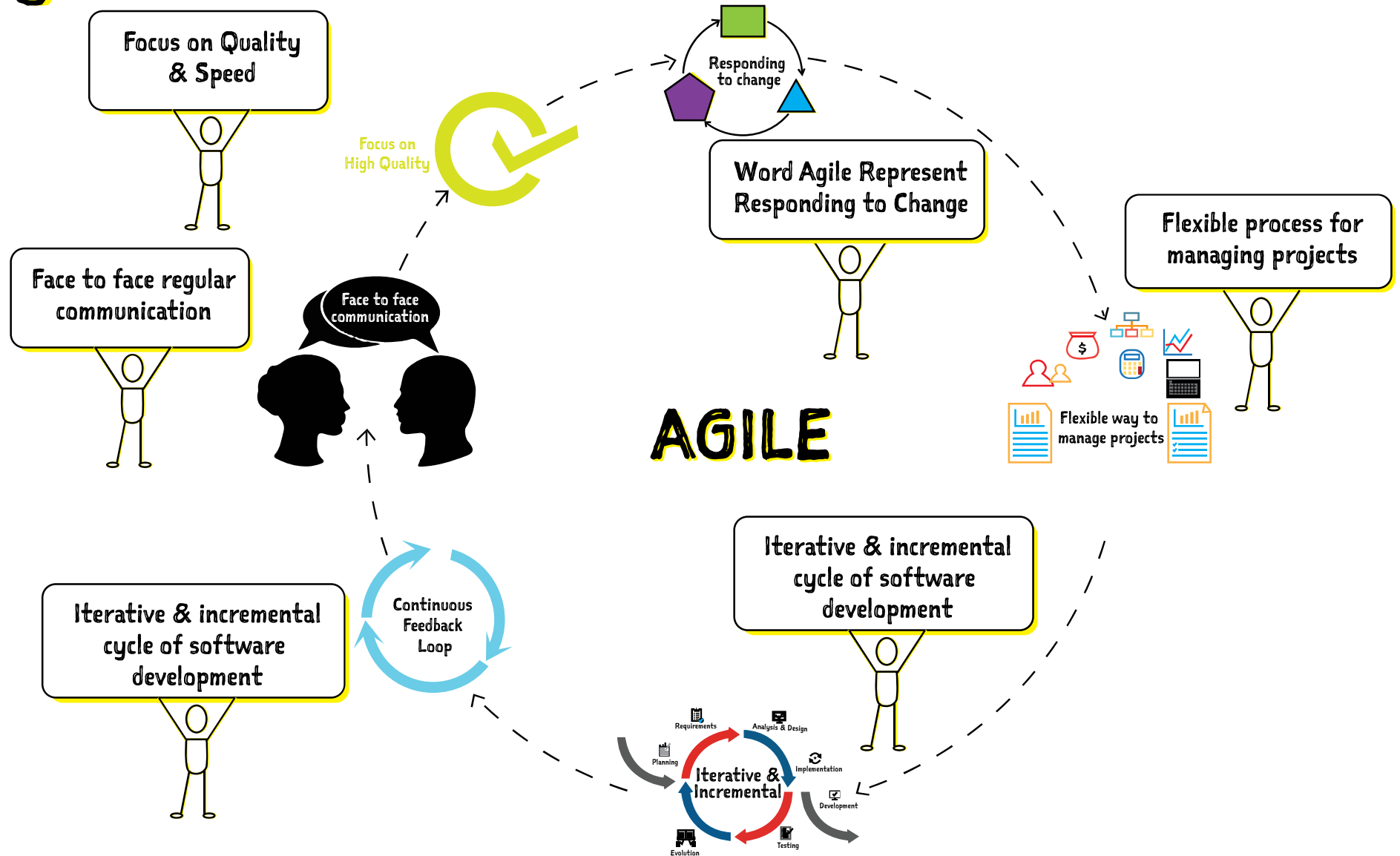
But clients may not willingly wants to get involved in software development



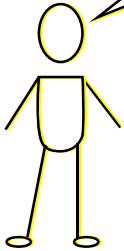


Agile-Scrum

Agile

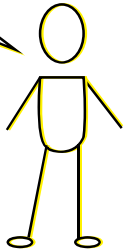


Agile Manifesto



Early 2001 some industry experts met together and outlined some values and principles that would allow software teams to develop quickly and respond to change

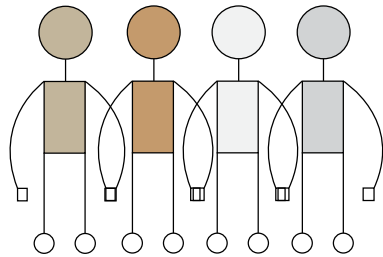
Then they worked next several months and created a statement of values. This is known as "The Manifesto of the Agile Alliance"



THE MANIFESTO OF AGILE ALLIANCE

We are uncovering better ways of developing software by doing it and helping others to do it.
Through this work we have come to value:

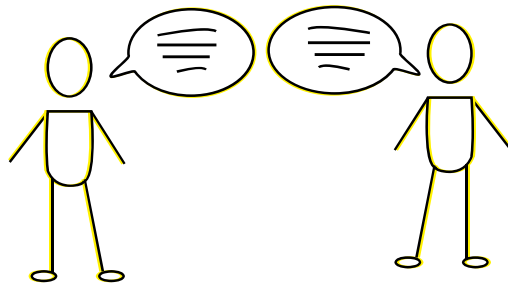
Agile Manifesto



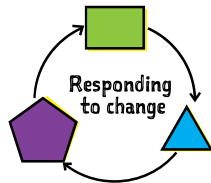
People & Interaction



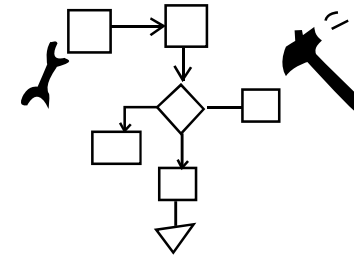
Working Software



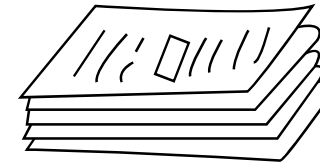
Customer Collaboration



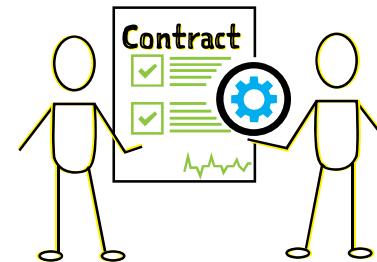
Responding to Change



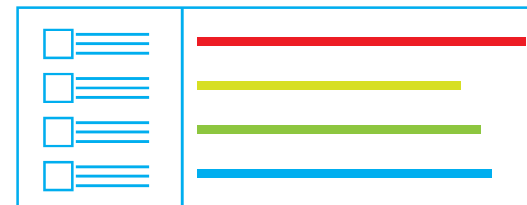
Processes & Tools



Comprehensive Documentation

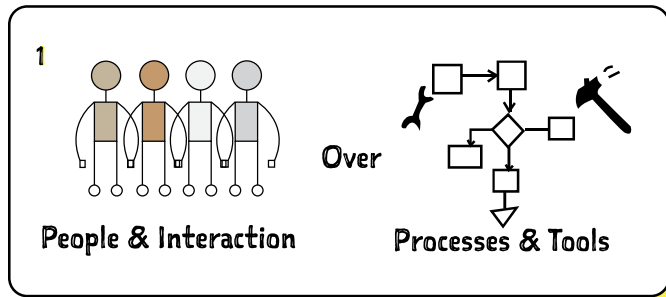


Contract Negotiation

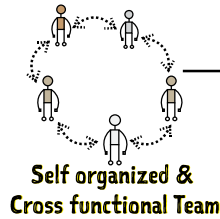


Following a plan

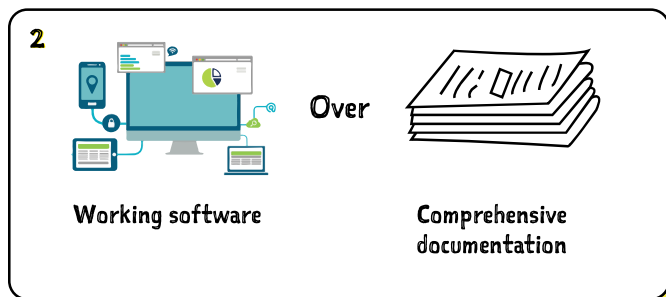
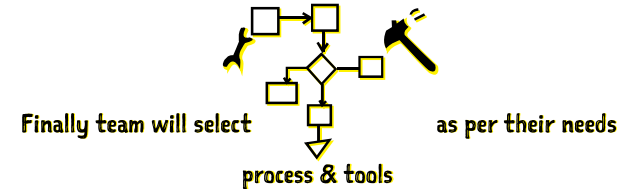
Agile Manifesto



First of all build



Then let the team to configure the



working software

makes

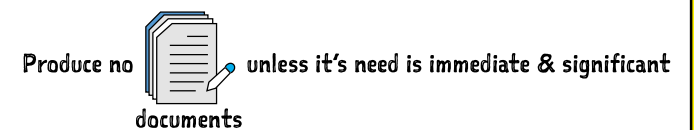


keep highest

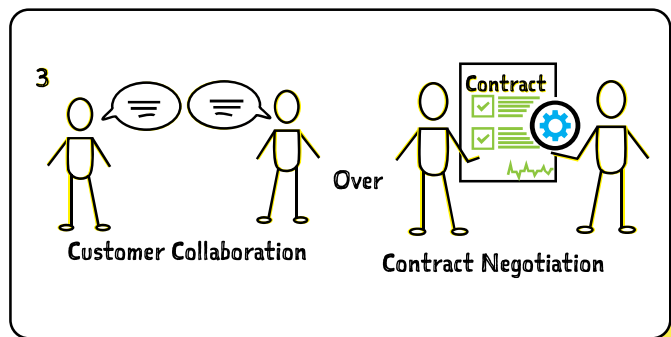


on building

working software



Agile Manifesto

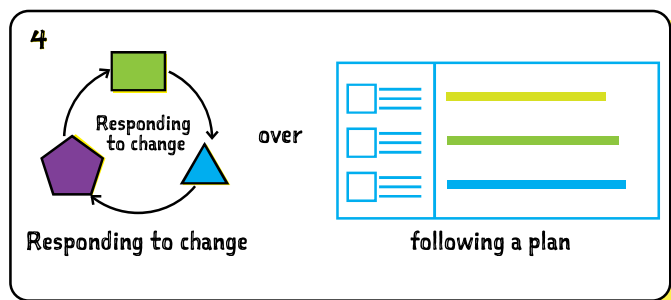


3.1 **Customer's Satisfaction** will be the highest priority

3.2 To achieve **Customer's Satisfaction** need to develop **successful software**

3.3 Regular & Frequent **client's feedback** is important for **software success**

3.4 So highly recommended to **work in collaboration with each other** instead of relying on **Client & Developer's**



4.1 Don't go for **long term plan** because **Clients Requirements** can change at any time

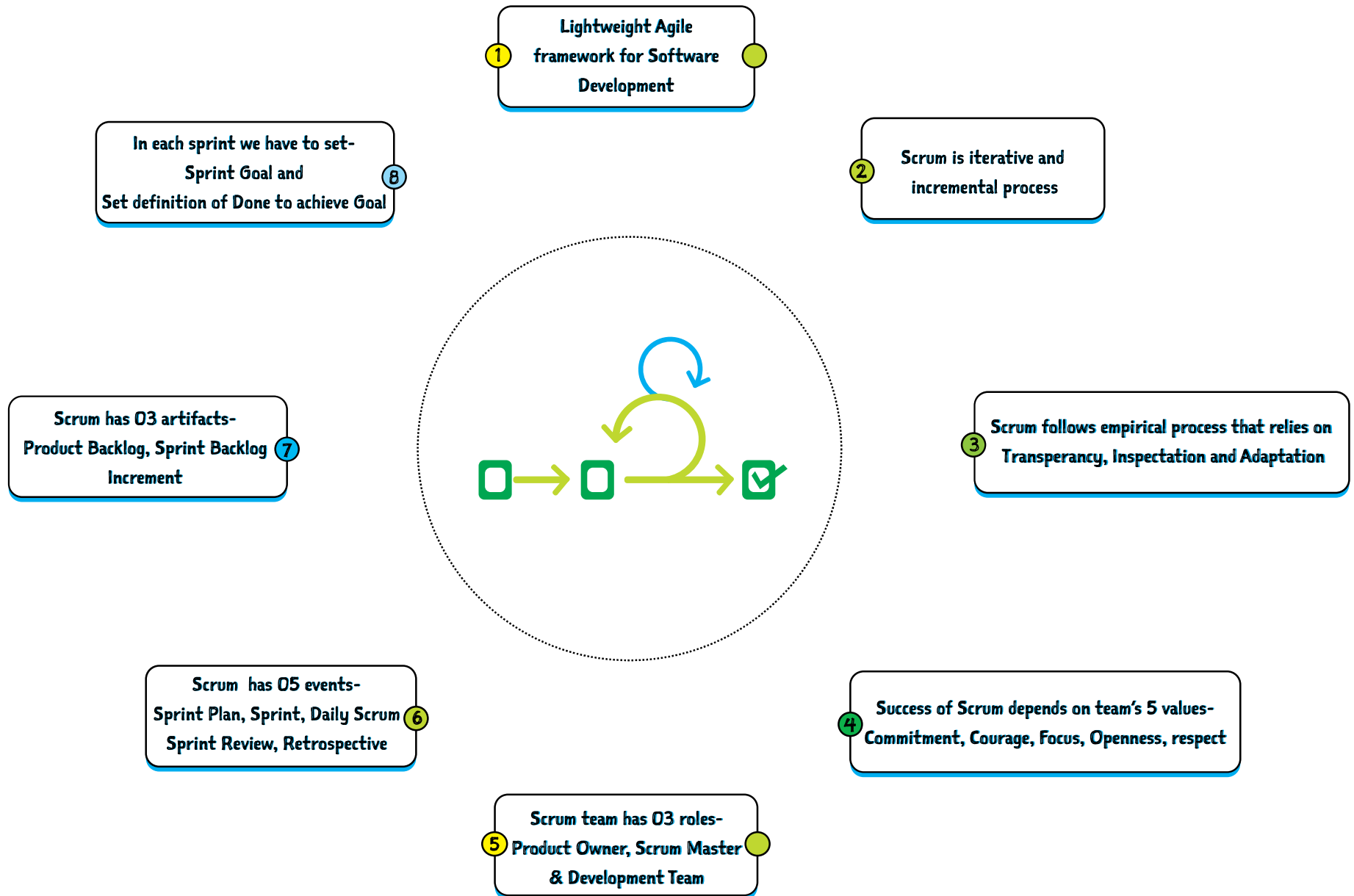
4.2 **Design the system** in such way so that any further changes can be adapt easily & quickly without breaking existing good features

4.3- Recommended to make-
Detailed plan from 1 to 4 weeks
Rough plan for next 03 months

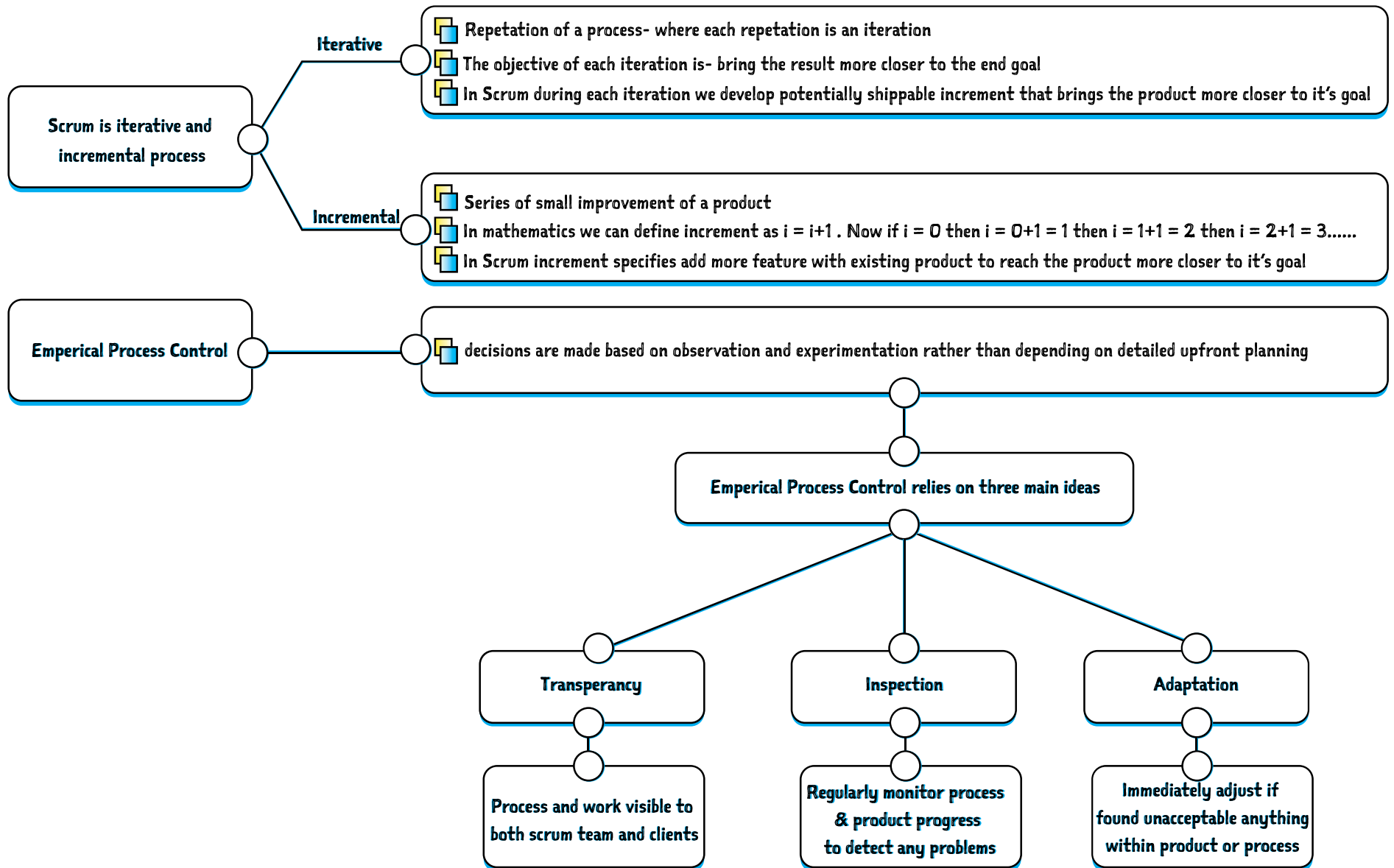
1-4 weeks detailed plan
 Three months rough plan

JAN FEB MAR

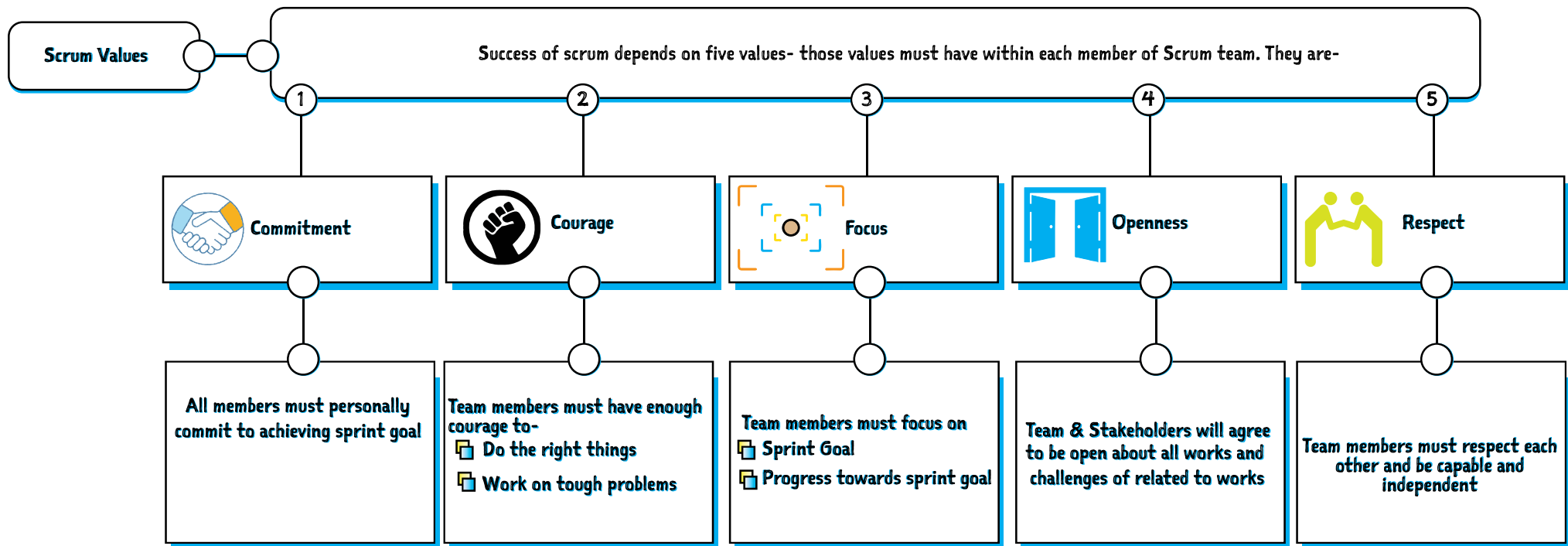
Scrum- Introduction



Scrum- Introduction



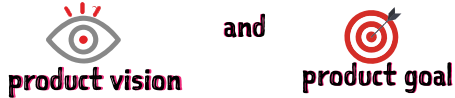
Scrum- Introduction



Scrum- Introduction

Responsible for.....

Overall product vision and goal



Managing project roi vs. risk



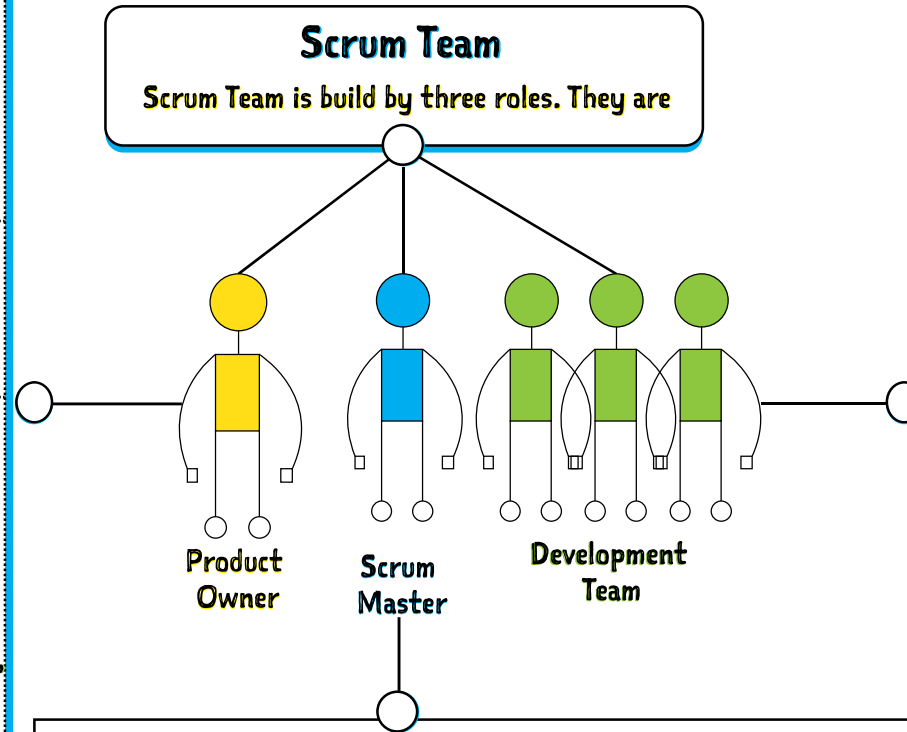
Managing product backlog

- Clearly express the product backlog items
- Ordering backlog items based on their priorities
- Ensures backlog items visible, transparent and clear to all

Ensures development team understands the items of backlog to the level as needed

Participates actively in Sprint Planning and Sprint Review meetings, and is available to team throughout the Sprint

Determines release plan and communicates it to upper management and the customer



Responsible for delivering a potentially releasable increments of "Done" product at the end of the sprint

Self Organizing :
Team manages itself to achieve the Sprint commitment

Cross Functional :
All the skills as a team necessary to create a product Increment
Team takes on tasks based on skills, not just official "role"

Size should be of 6 persons, + or -3

- Can be shared with other teams (better when not)
- Can change between Sprints (better when don't)
- Can be distributed (better when co-located)

Servant-leader for the team

Does everything to help the team achieve success including-

1- Serving the Team

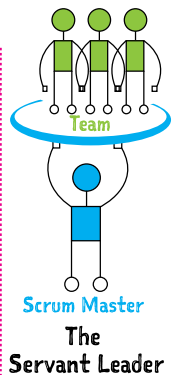
- Remove impediments to the team's effectiveness
- Facilitates the team's group interactions, to help the team achieve its full potential
- Coaches the team, to help them improve their practices

2- Protecting the team

- Protects the team from anything that threatens its effectiveness, such as outside interference or disruption
- Deal with uncomfortable issues, both inside and outside the team

3- Guiding the team's use of SCRUM

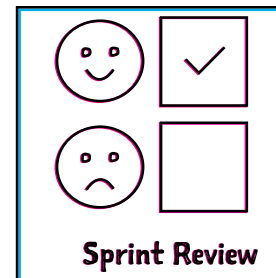
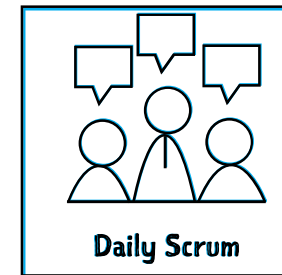
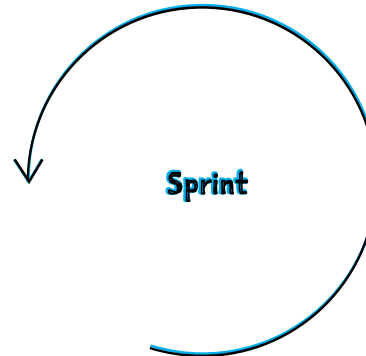
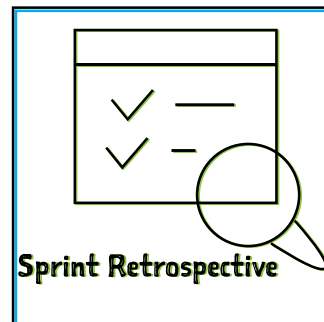
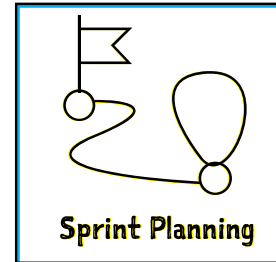
- Teaches Scrum to the team and organization
- Ensures that all standard Scrum rules and practices are followed
- Organizes all Scrum-related practices



Scrum- Introduction

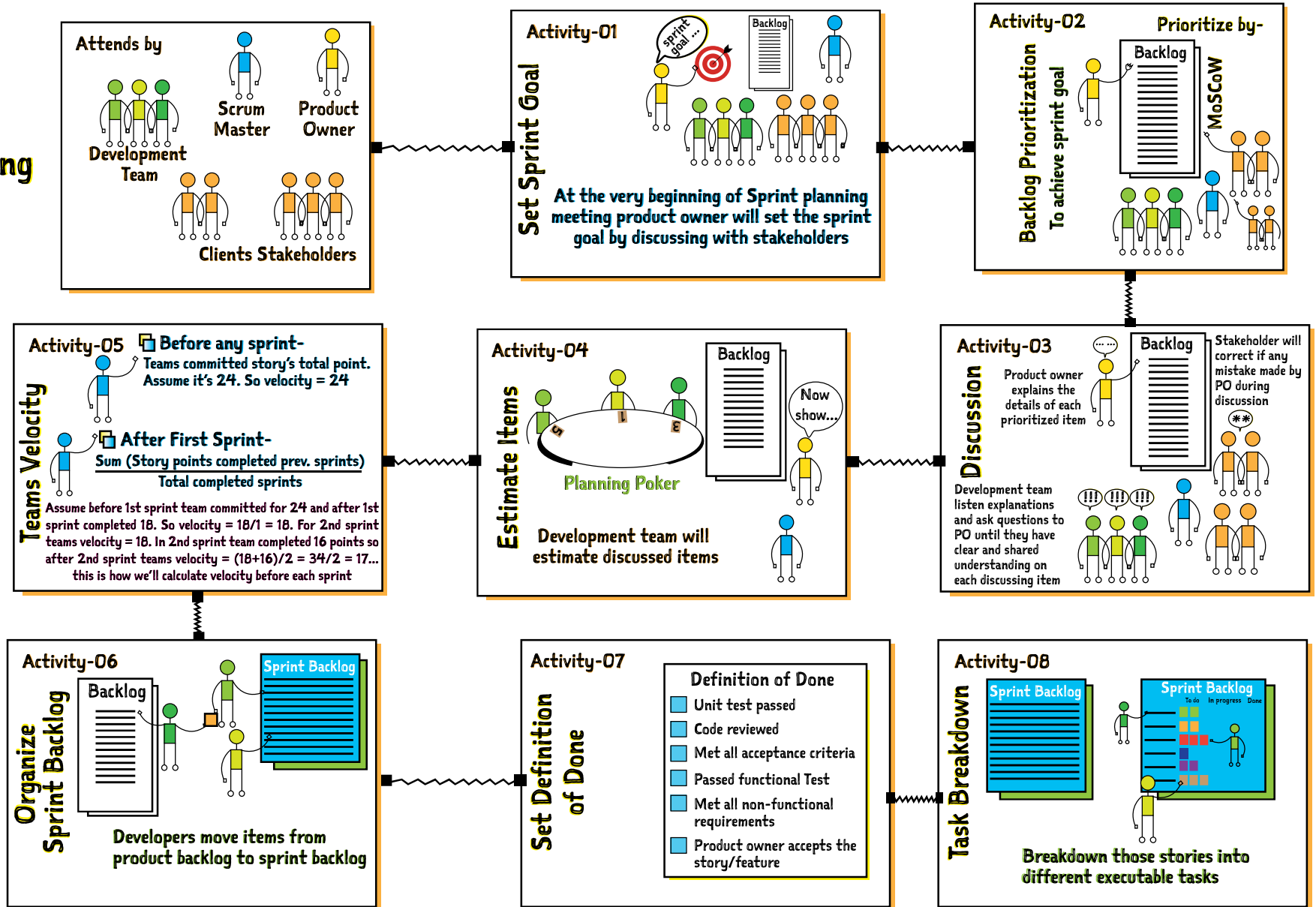
Scrum Events

Events are activities of Scrum process those we executes to achieve the goal

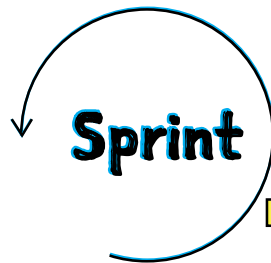


Scrum- Introduction

Sprint Planning



Scrum- Introduction



Heart of Scrum

This is the place where ideas turned into values

Sprint is time boxed, fixed length- usually one month or less- this short duration ensures consistency

A new sprint starts immediately after the conclusion of previous sprint

During sprint duration everything we do is to achieve the sprint goal

Sprint Planning, Daily Scrum, Sprint Review and Retrospective happens within the sprint

To convert requirement to product we design, develop and test all features during sprint duration

No changes allowed during sprint duration - that can endanger the sprint goal



Daily Scrum

All members will stand in a circle facing each other

Each development member one after another will answer following three questions-

- 1 What he / she did yesterday
- 2 What he / she will do today
- 3 Is there any obstacles or impediments facing- that prevents progress towards sprint goal

Duration of the meeting is 15 minutes



Daily Scrum

Scrum Master will facilitate the meeting

Entire Development team will join the meeting

Presence of Product owner into this meeting is optional- if he/she willing to join can join, else not- entirely depends on his/her willingness

No other discussion allowed except answering those three questions

If anyone needed help for removing impediment then- after the meeting scrum master will assign right person for helping- but not during the meeting