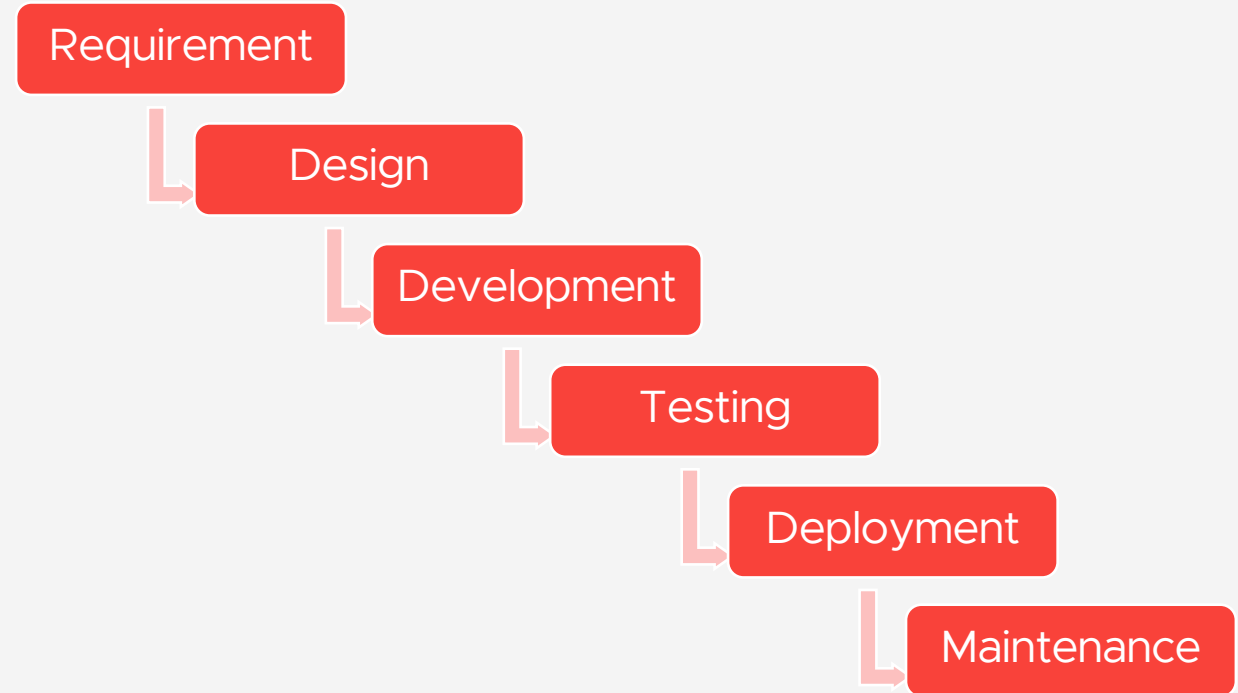# Collaboration 101: Agile Methodology

Adastra Thailand Campus on-tour program

Waterfall

- Traditional ways of engineering building (skyscrapers and bridges are still built with this today)

- We value more things through time

  - Adaptability to changes

  - Immediate amendments

Requirement

Design

Development

Testing

Deployment

Maintenance

Agile Manifesto

Individuals and interactions *over processes and tools*

Working software *over comprehensive documentation*

Customer collaboration *over contract negotiation*

Responding to change *over following a plan*

That is, while there is value in the items on the right, we value the items on the left more.

Agile is a **mindset**

How to change mindset to **methodology**?

Incremental vs Iterative

Incremetal
Fully formulated ideas, incrementing builds through time.

Iterative
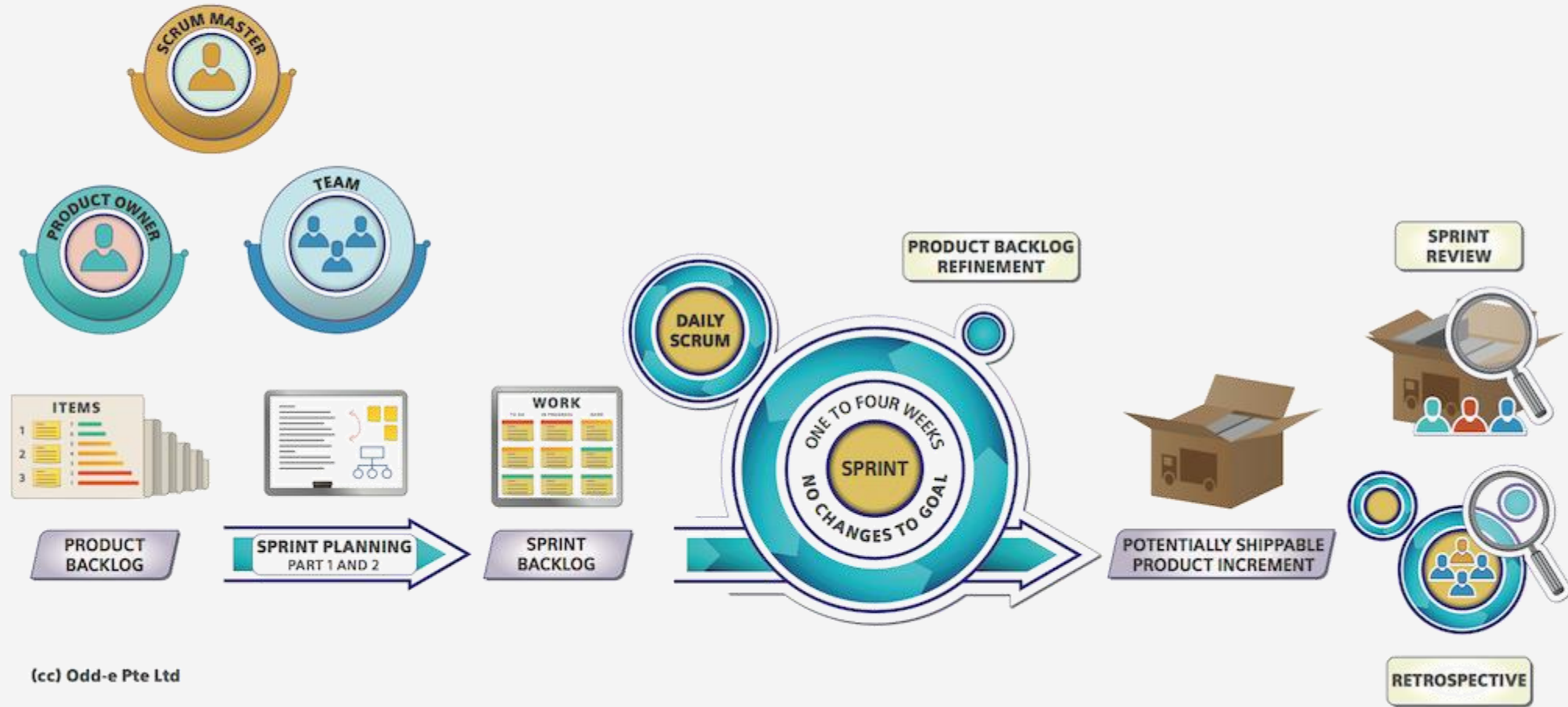From vague ideas to realization, builds rough versions/MVP, validates, iterate.

Image courtesy: Scrum Primer, Odd-e Pte Ltd. CC 3.0 BY-ND

Let's start simple:
Writing Backlog

Think of things you have to do in this week…

Clean the room's floors

Description
Floor needs to be cleaned from the Mookata party held yesterday

DoDs
Living room floors vacuumed, mopped, no stains especially greases.

Estimation
4

Estimations

- Heuristic of how long it will take to complete a task

- Should...
    - Incorporate everything needed for completion (e.g. testing, talking to people)

- Consider
    - What is "how long"?
        - If a task is complex but can be done quick, should the estimation be high?
        - If a task is easy but tedious and repeating, should the estimation be low?

T-shirt

- 4-5 main categories: XS, S, M, L, XL

- Group tickets according to categories

1 Points

- Define a unit of one point and scale

- 1 point maybe 1 hour for simplicity