

manage software

project & product

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when it actually started
history

There is a general understanding that the history of modern project management started around 1950. Until 1900, projects were generally managed by creative architects and engineers themselves

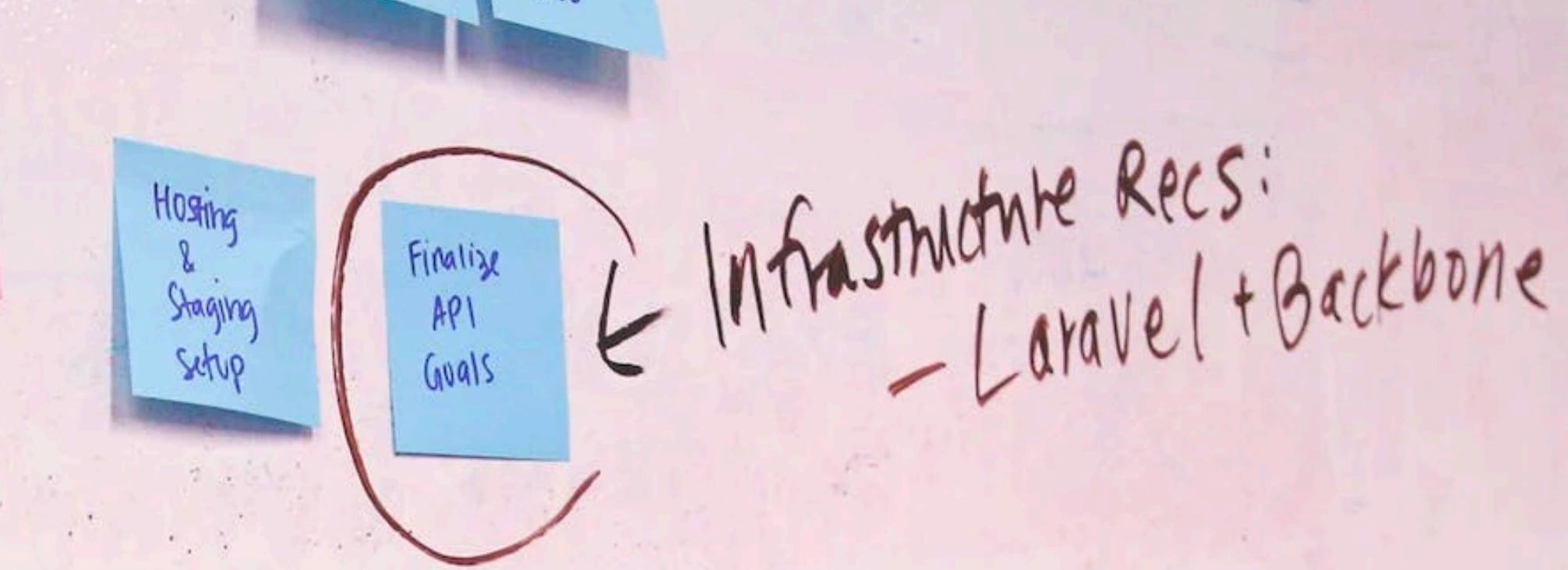
https://en.wikipedia.org/wiki/Timeline_of_project_management

basics

A PROJECT IS COMPLETE
WHEN IT STARTS
WORKING FOR YOU,
RATHER THAN YOU
WORKING FOR IT.

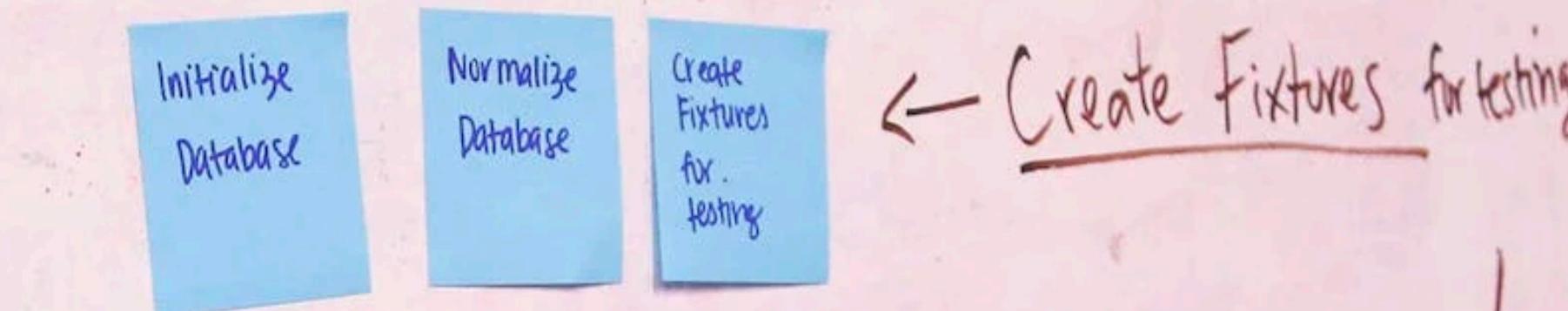
PLANS ARE
ONLY GOOD
INTENTIONS
UNLESS THEY
IMMEDIATELY
DEGENERATE
INTO HARD
WORK.

WEEK 3 : Design

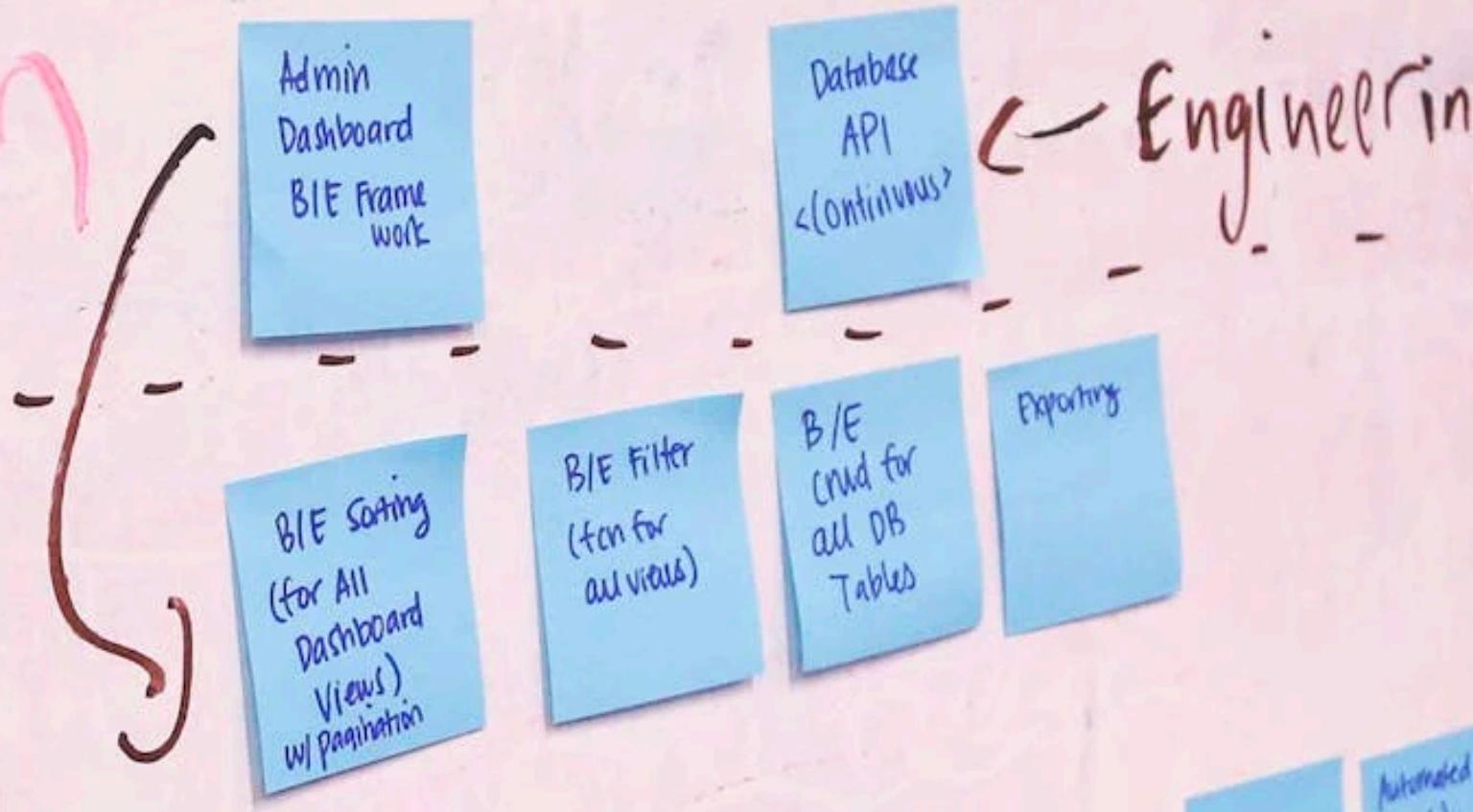


PLEASE DO NOT ERASE

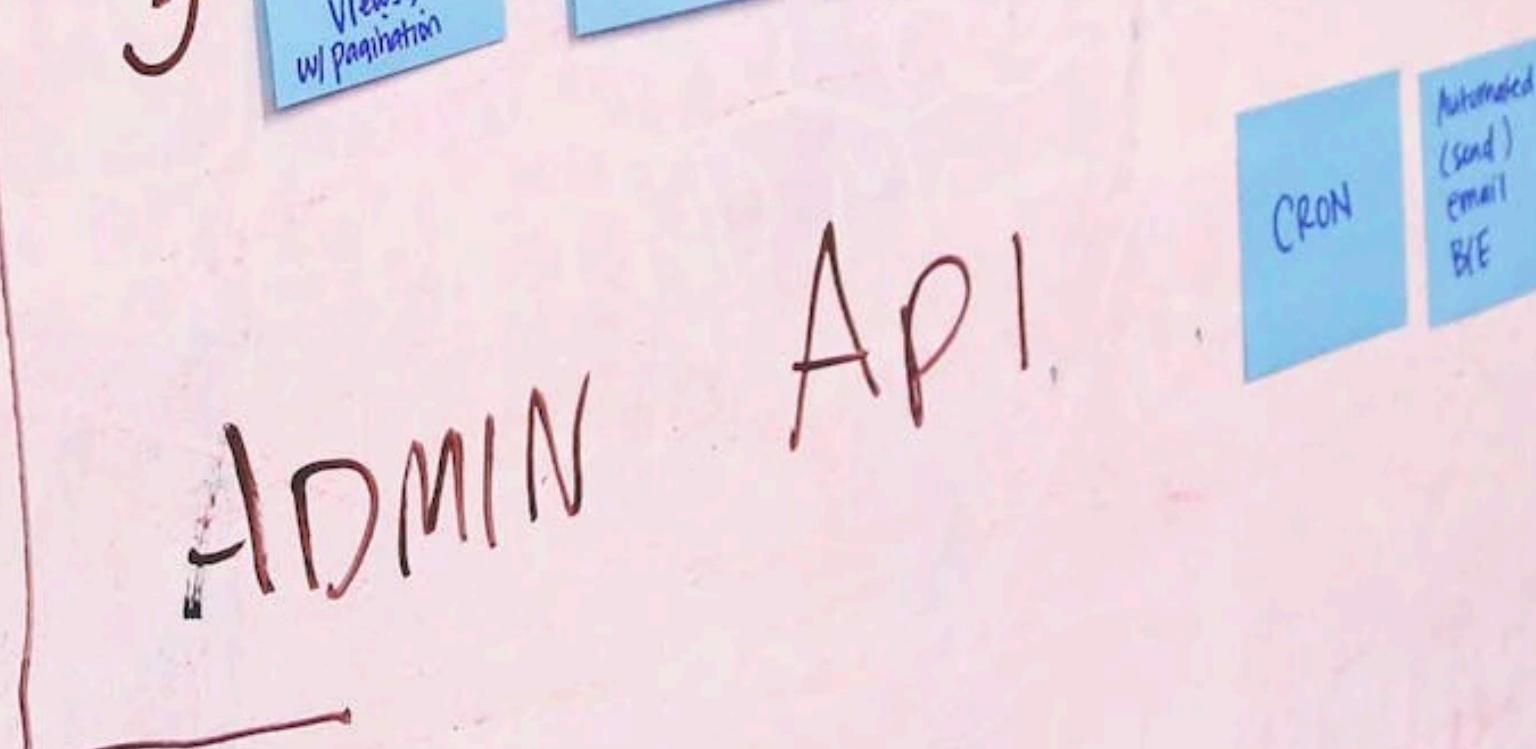
1) WEEK 4 : Design



2) WEEK 5 : Design

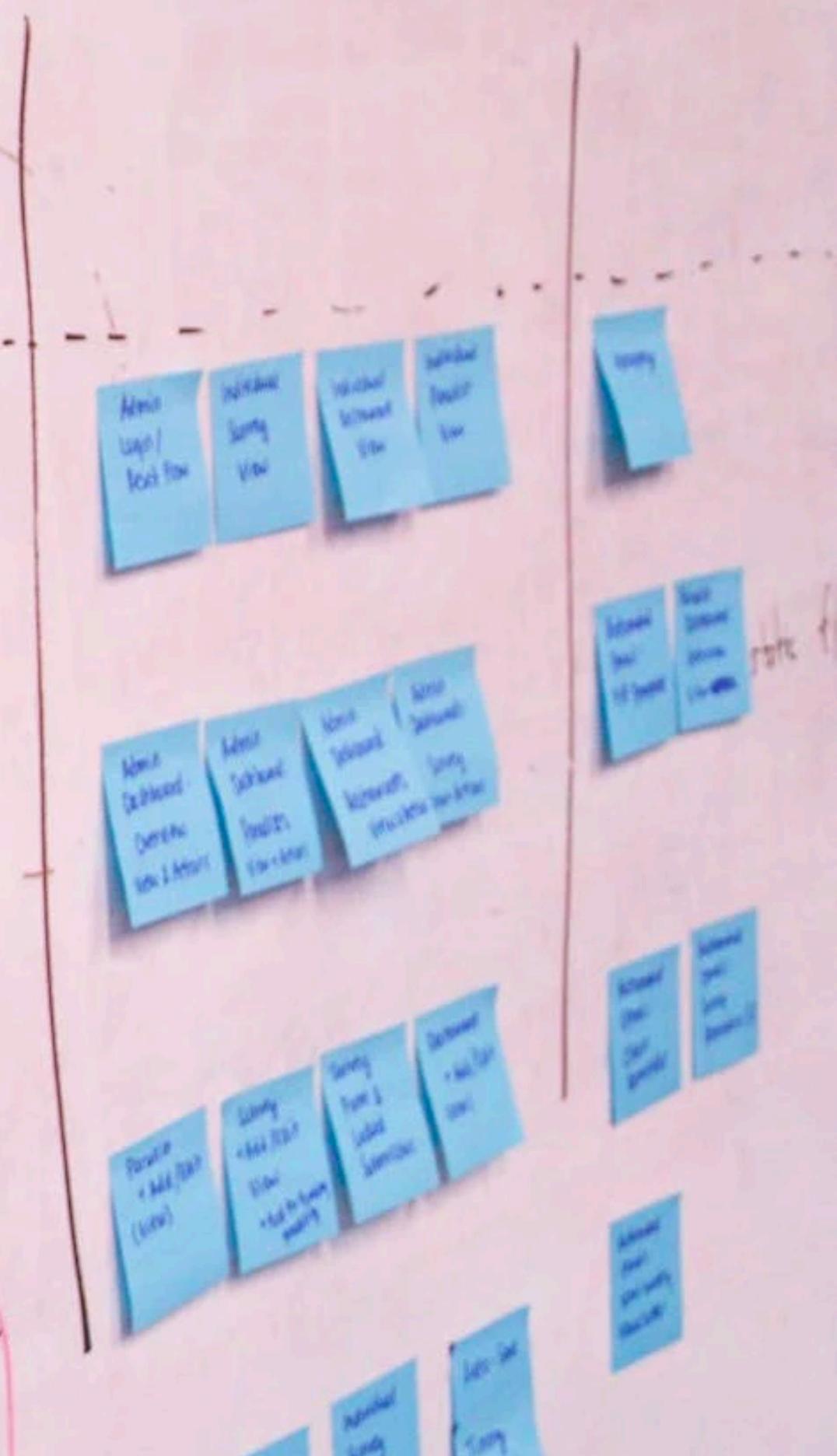


3) WEEK 6 : Dev



4) WEEK 7 : Dev

parallel
#1 suggest



Scrum Master

people

business

**Scrum Master
Project Delivery Manager**

people

business

**Scrum Master
Project Delivery Manager
Tech Project Manager**

**people
business**

**Scrum Master
Project Delivery Manager
Tech Project Manager
Project Manager**

**people
business**

Scrum Master
Project Delivery Manager
Tech Project Manager
Project Manager
Proxy Product Owner

people

business

Scrum Master
Project Delivery Manager
Tech Project Manager
Project Manager
Proxy Product Owner
Business Analyst

people
business

Scrum Master
Project Delivery Manager
Tech Project Manager
Project Manager
Proxy Product Owner
Business Analyst
Product Owner

people
business

Scrum Master
Project Delivery Manager
Tech Project Manager
Project Manager
Proxy Product Owner
Business Analyst
Product Owner
Product Manager

people
business



**reality of project
management**

make the plan

reality of
project
management

make the plan
execute the plan

reality of
project
management

make the plan
execute the plan
expect the plan to change

reality of
project
management

make the plan
execute the plan
expect the plan to change
adapt to the new plan

**reality of
project
management**

project limitations

goal

project
limitations

goal
target audience

project
limitations

goal
target audience
budget

project
limitations

goal
target audience
budget
time

project
limitations

project dependencies

partners

project
dependencies

partners
third parties

project
dependencies

partners
third parties
legal third parties

project
dependencies

partners
third parties
legal third parties
administrative third parties

**project
dependencies**

risk management

budget changes

**risk
management**

**budget changes
human capital**

**risk
management**

budget changes
human capital
legal changes

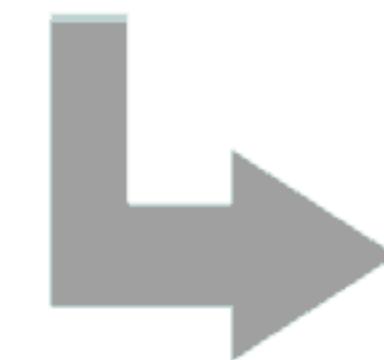
**risk
management**

budget changes
human capital
legal changes
project scope changes

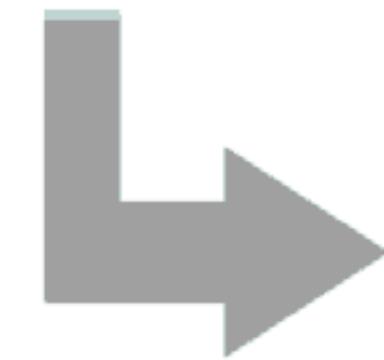
**risk
management**

waterfall methodology

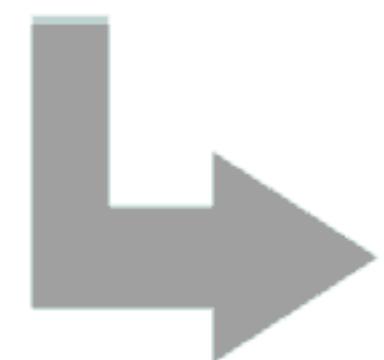
Requirements



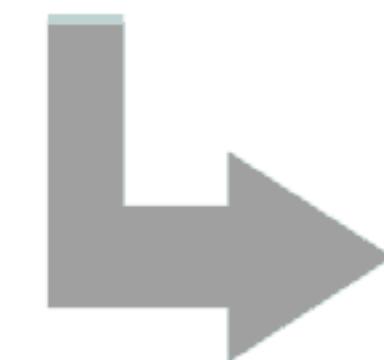
Design



Execution



Verification



Deployment

WATERFALL METHODOLOGY

Waterfall offers a linear approach to project management.

Key principles:

- Every step of the project is transparent and clear.
- Many repetitive actions and little variation.
- Documentation plays an important role.
- Change is not welcome and should be avoided.

The 5 phases of Waterfall:

1. Requirement
2. Design
3. Implementation
4. Verification
5. Maintenance

2

The benefits of Waterfall:

- Simplicity of the structure.
- No mess at the end thanks to documentation.
- Projects are easy to duplicate.

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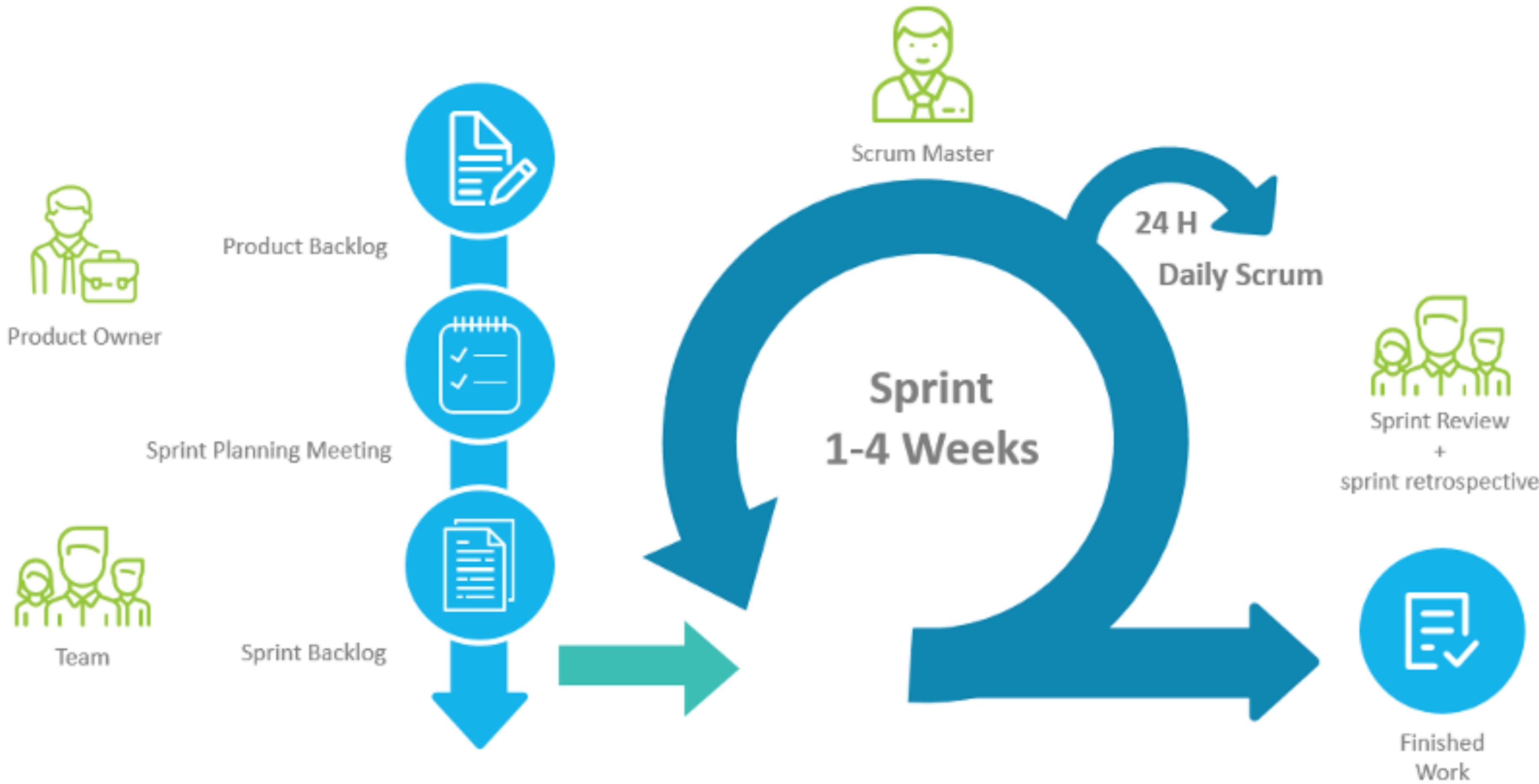
The downsides of Waterfall:

- Little flexibility.
- Delays due to required paperwork.
- Shareholders don't participate actively.
- All testing is done at the end.

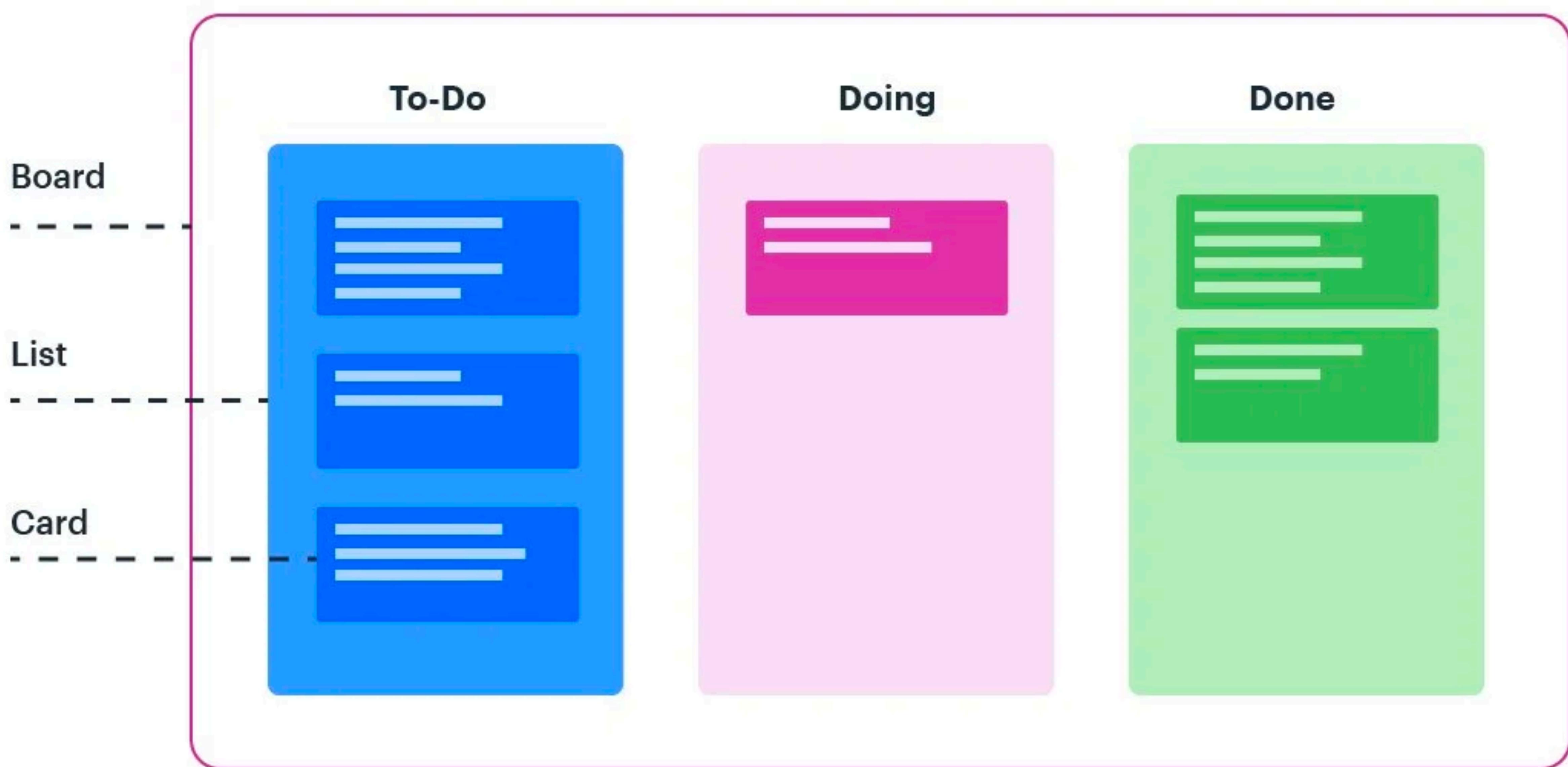
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agile frameworks

AGILE SCRUM PROCESS



Kanban project management framework



project phases



project charter

<https://asana.com/resources/project-charter>

project objectives

project
charter

project objectives
project scope

project
charter

project objectives
project scope
project responsibilities

project charter

project brief

<https://asana.com/resources/project-charter>

short description

project
brief

short description
project goal

**project
brief**

short description
project goal
requirements and expectations

**project
brief**

short description
project goal
requirements and expectations
limitations: time, budget, target
audience, other resources

**project
brief**

short description
project goal
requirements and expectations
limitations: time, budget, target
audience, other resources
dependencies

**project
brief**

research

essential - never skip

research

essential - never skip
documented

research

**essential - never skip
documented
conclusions**

research

technical plan

project brief

technical plan

**project brief
roadmap**

technical plan

**project brief
roadmap
implementation plan**

technical plan

project brief
roadmap
implementation plan
execution plan

technical plan

project brief
roadmap
implementation plan
execution plan
budget

technical plan

project brief
roadmap
implementation plan
execution plan
budget
team

technical plan

project brief
roadmap
implementation plan
execution plan
budget
team
success metrics

technical plan

project kickoff

sign all documents

project
kickoff

sign all documents
visibility on the project
plan for all stakeholders

project
kickoff

sign all documents
visibility on the project
plan for all stakeholders
adjust roadmap

project
kickoff

project execution

regular meetings

project
execution

regular meetings
visibility on progress / reporting

project
execution

regular meetings
visibility on progress / reporting
risk assessment

project
execution

regular meetings
visibility on progress / reporting
risk assessment
stakeholder management

**project
execution**

regular meetings
visibility on progress / reporting
risk assessment
stakeholder management
plan adjustments and revision of goal

**project
execution**

project closure

project sign off

project
closure

project sign off
project closure report

project
closure

project sign off
project closure report
feedback

project
closure



communication

regular meetings

communication

regular meetings
regular reporting

communication

regular meetings
regular reporting
documentation up to date

communication

practical assignment

project charter

<https://asana.com/resources/project-charter>

requirements gathering

<https://www.jamasoftware.com/requirements-management-guide/requirements-gathering-and-management-processes/what-is-requirements-gathering>

gantt chart

<https://www.onlinegantt.com/#/gantt>

project brief