

Agile Drupal Development with Scrum

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A brief introduction to Scrum

Benefits of Scrum from

- a company's point of view and
- a freelancer's point of view

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We are not expert ScrumMasters,
but we find Scrum very useful
and want to share our
experience.

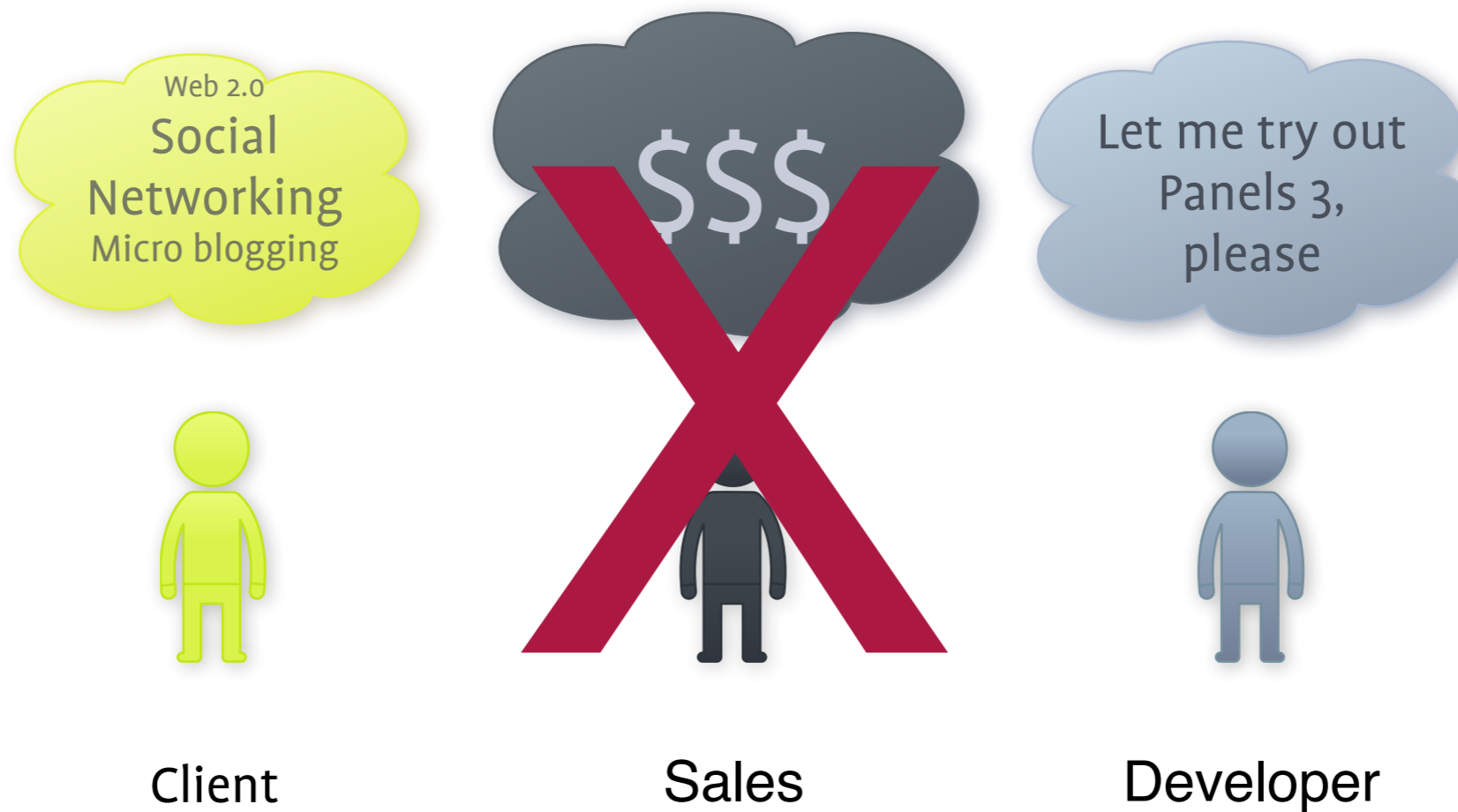
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What is Scrum?

A process skeleton designed to deliver a product **incrementally** in **smaller components**, (rather than in one big chunk)



Why Scrum?



Why Scrum?



Client

Let's build the
best website
for
\$ XXXXX



Developer

A developer's story

- ▶ My clients often come to me with a set budget with lots of features, as soon as possible
- ▶ I don't want to make false assumptions about what I can deliver for that budget
- ▶ Yet, I want to do work and get paid

Scrum helps achieving this

Scrum helps...

- ▶ clients focus on crucial features
- ▶ clients to become realistic about what can be achieved
- ▶ developers work in a self-organised way
- ▶ to collaboratively explore and find the right solution
- ▶ to keep building the solution at a fast pace

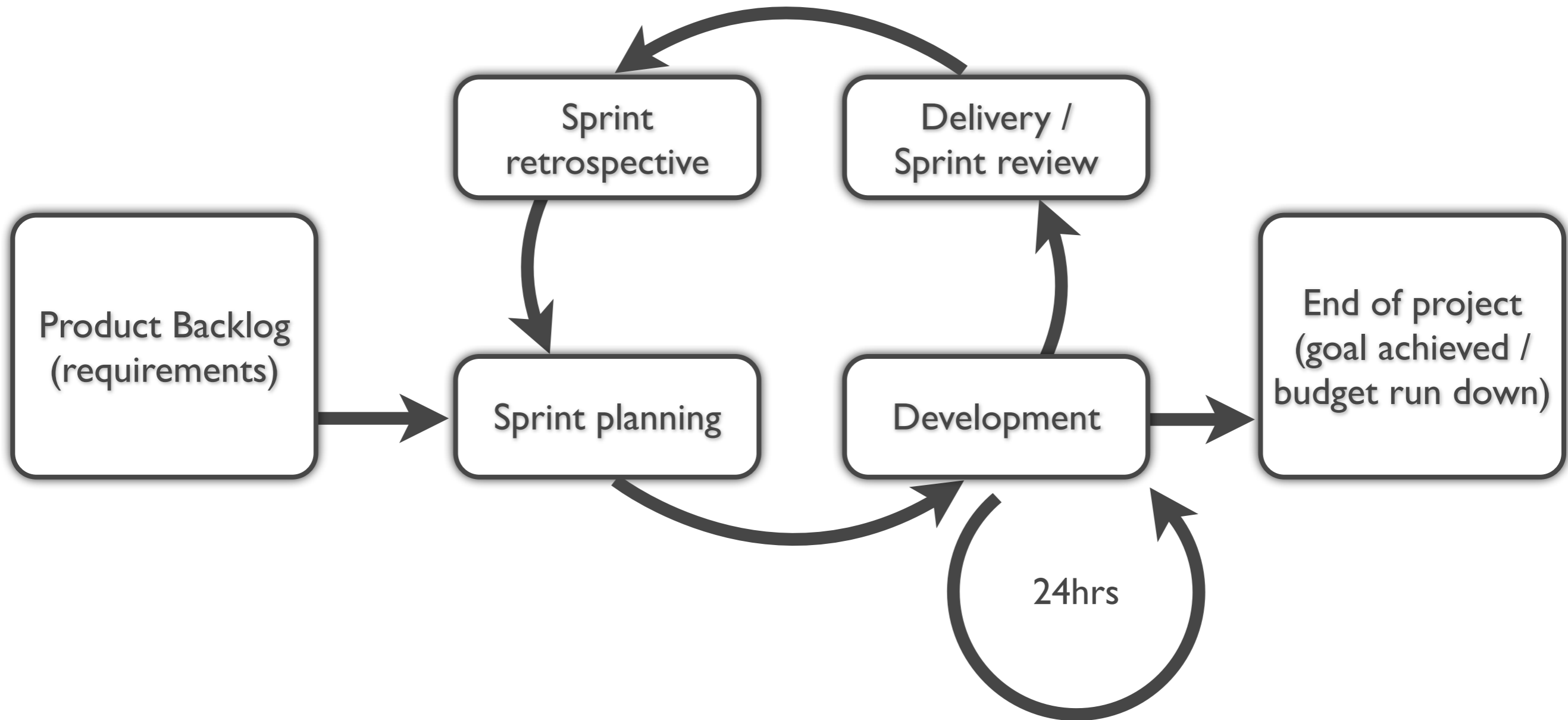
How does Scrum work?

In the beginning: The product backlog

Product backlog

ID	Story	Importance
1	As an editor, I want to have an easy-to-use text editor	850
2	As a potential investor, I want to read the organisation's achievements	900
3	As a visitor, I want to see an animation of a cheerful mouse waving in the home page	100

Process of Scrum



1 iteration = 1 Sprint = 2 weeks to 1 month

Scrum Master as facilitator

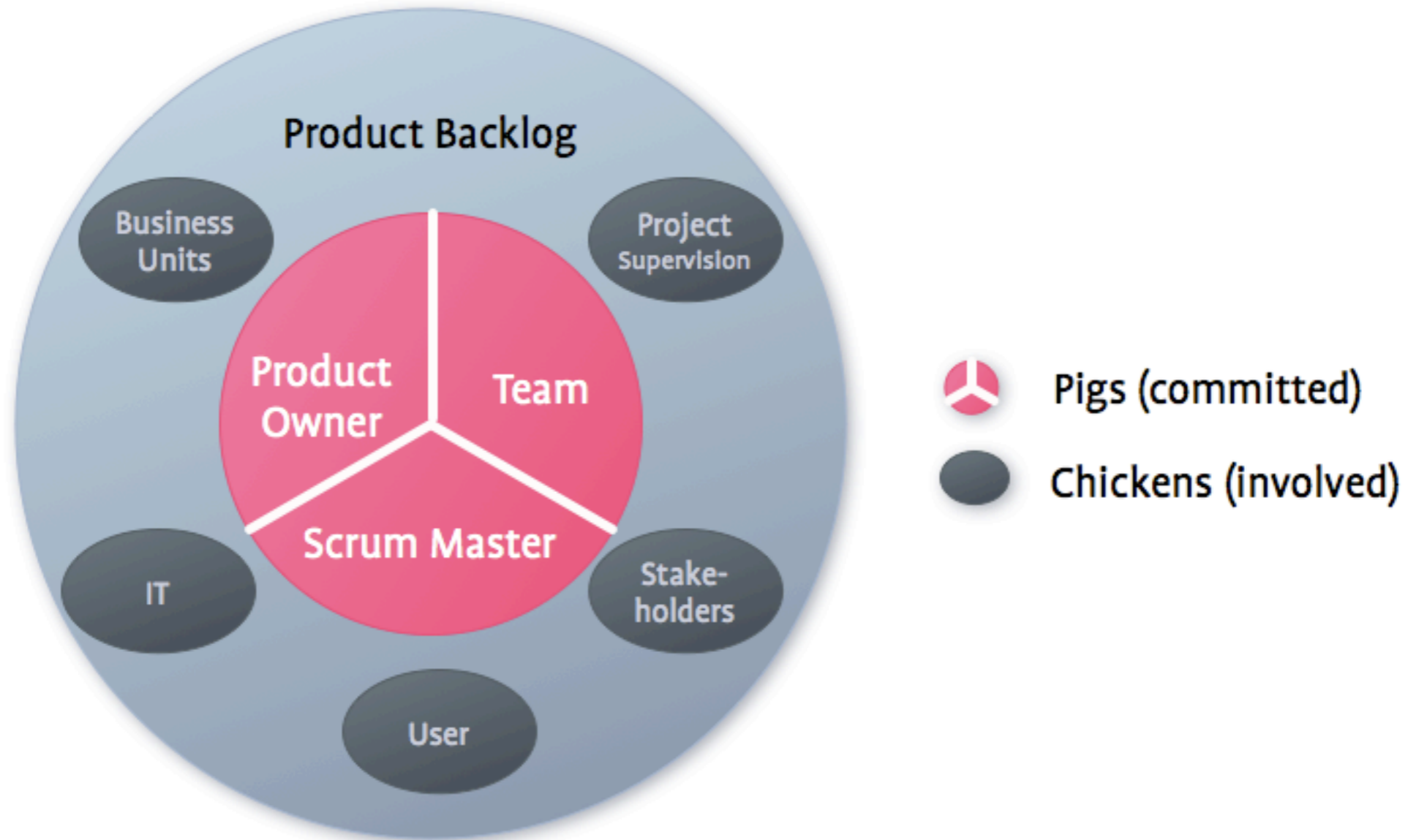
Everything is a timebox

- ▶ Sprint
- ▶ Daily Scrum meeting
- ▶ Planning / review / retrospective meetings

Every sprint, we have an
increment of working
software

Roles in Scrum

A chicken and a pig open
a restaurant ...



User stories

As **[role]**, I want
[functionality] to achieve
[goal]

Story points / Sprint planning

Planning poker



Strengths of Scrum

from a company's point of view

**Integrated team work,
direct communication**

Integrated team work -
see: Scrum roles

high bandwidth
communication

Client and provider grow
with the project

Personally Rewarding

Strengths of Scrum

from a freelancer's point of view

From a freelancer's perspective:

Makes your life easier :)

It's "pay as you go"

- Project duration and scope entirely depends on the budget
- Client become aware of the cost implication of their requests

From a freelancer's perspective:

**Quotes based on detailed
specification is no longer
necessary**

From a freelancer's perspective:

Scrum techniques work well even for the smallest project

- Product (=sprint) backlog
- Scrum meeting

Weaknesses of Scrum

from a company's point of view

Managing dependencies

Granularity of user stories

Managing client's expectations

Expectations
vs. Drupal community
development power :-)

Integration with UX / Design process

Weaknesses of Scrum

from a freelancer's point of view

There are 'hidden' costs

- Communication overhead
- Project facilitation
- Setting up dev environment
- Site launch

If the project is relatively small, you can't afford to refine iteratively

Smaller organisations
suffer from high
communication overhead

Tips

Project initialisation

Exploration stories

Writing User Stories with Drupal in mind

Merci!

Questions?

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