SDLC DAY 3

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Manifesto for AGILE SOFTWARE DEVELOPMENT

2001

« We are uncovering better ways of developing software by doing it and helping others do it.

THROUGH THIS WORK WE HAVE COME TO VALUE :

INDIVIDUALS & INTERACTIONS	WORKING SOFTWARE	CUSTOMER COLLABORATION	RESPONDING TO CHANGE
OVER	**OVER**	**OVER**	**OVER**
COMPREHENSIVE DOCUMENTATION	UNE DOCUMENTATION EXHAUSTIVE	CONTRACT NEGOTIATION	FOLLOWING A PLAN

THAT IS, WHILE THERE IS VALUE IN THE ITEMS ON THE [BOTTOM], WE VALUE THE ITEMS ON THE [TOP] MORE. »

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Scrum

Perhaps the most popular of Agile methods today, Scrum is a project management framework that encourages teams to self organize and deliver functionality iteratively in two- four week time boxes called **sprints**.

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Scrum Framework

- Scrum is an Agile framework for completing complex projects.
- It is applied to any project or product development effort.

Roles	Artifacts	Ceremonies
Product Owner	**Product Backlog**	**Sprint Planning**
Scrum Master	**Sprint Backlog**	**Sprint Review**
Team	**Burn-down Charts**	**Sprint Retrospective**
		Daily Scrum Meeting

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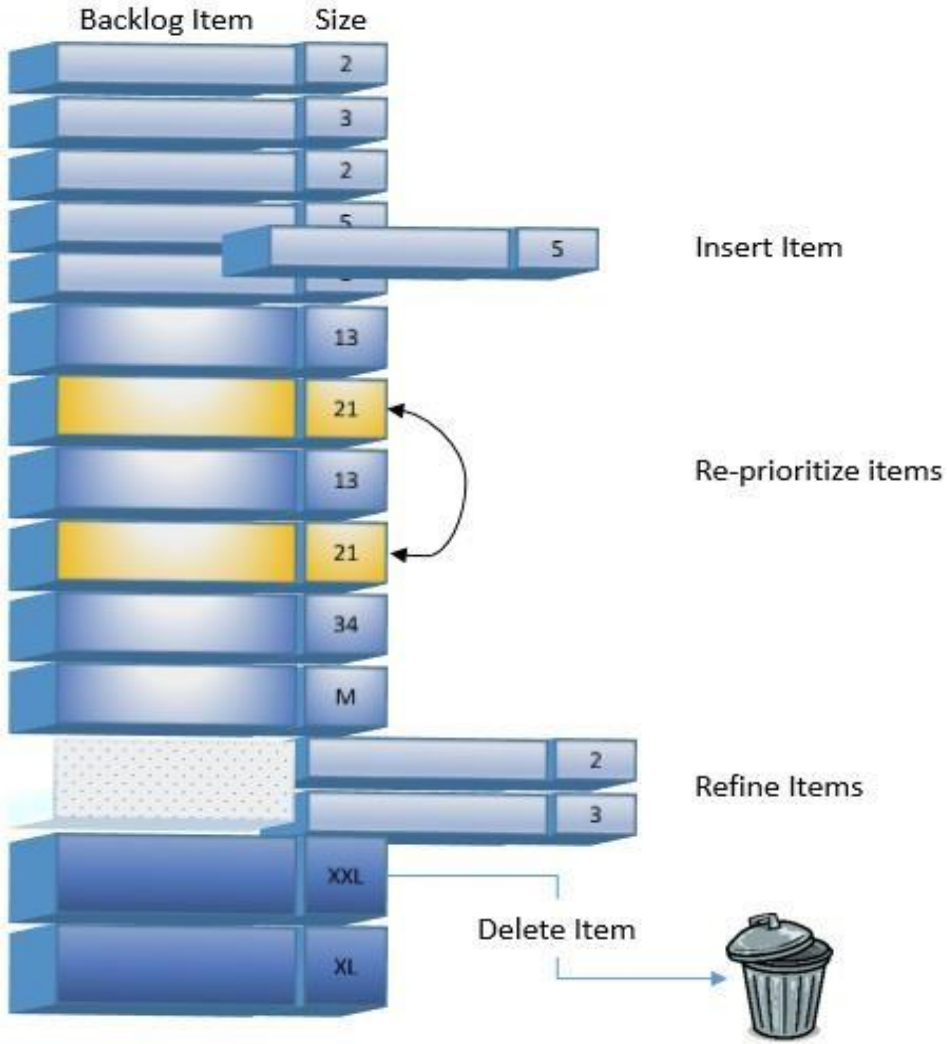
Artifacts

Product Backlog

- The Product Backlog is the to do list for the project. It contains a list of all the features the Product Owner would one day like to see in their software. It's prioritized, estimated, and what the team draws from when deciding what to do in a iteration or sprint.
- A wish list of all desired work on project.
- Prioritize by the Product owner



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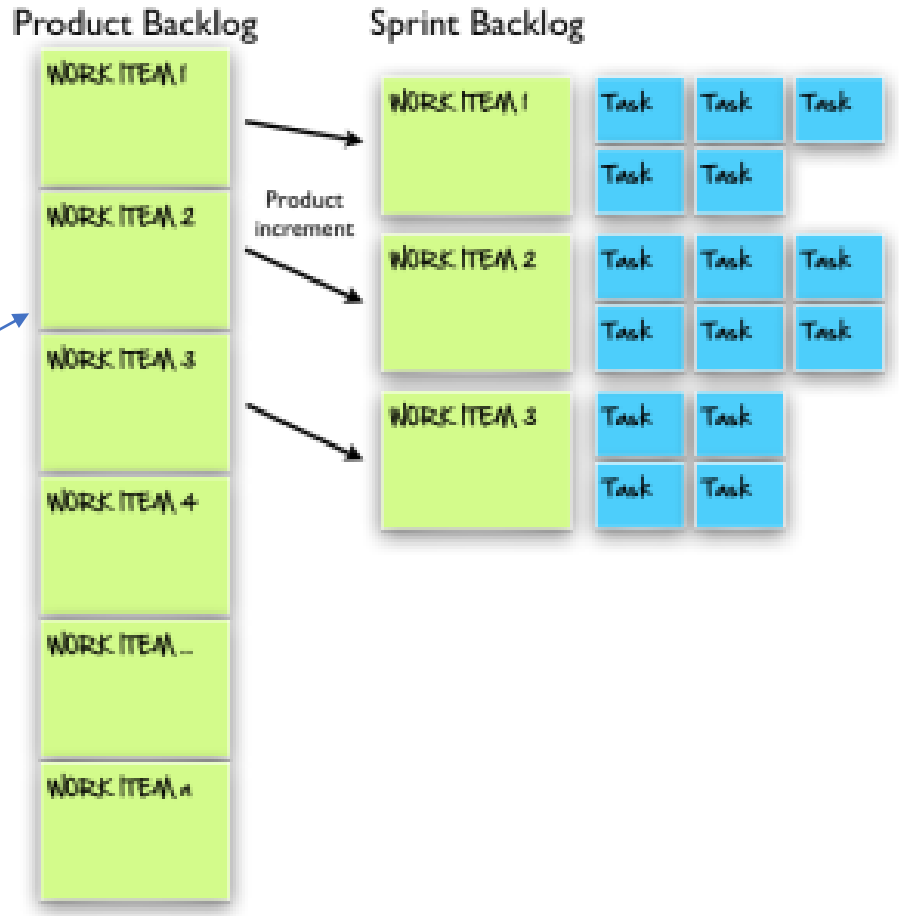
Actual User Stories

Title	User Story
View tables	**As a** user, **I want** to see tables on pages **so that** I can engage with this content.
View page info	**As a** user, **I want** to see the creator, timestamp, and title of a page **so that** I can see the relevant info.
View macros	**As a** user, **I want** to see macros on pages **so that** I can see advanced dynamic content.
Scaled images and files	**As a** user, **I want** to see appropriately sized images and files that are on pages **so that** I can easily consume them on mobile.
View notifications	**As a** user, **I want** to access my notifications easily **so that** I can respond promptly to relevant information

User story description
A user wants to sign up via Facebook
A user wants to view the latest updates via the mobile dashboard so that they can get a better understanding of what is in place
A user wants to be able to post status updates on the go



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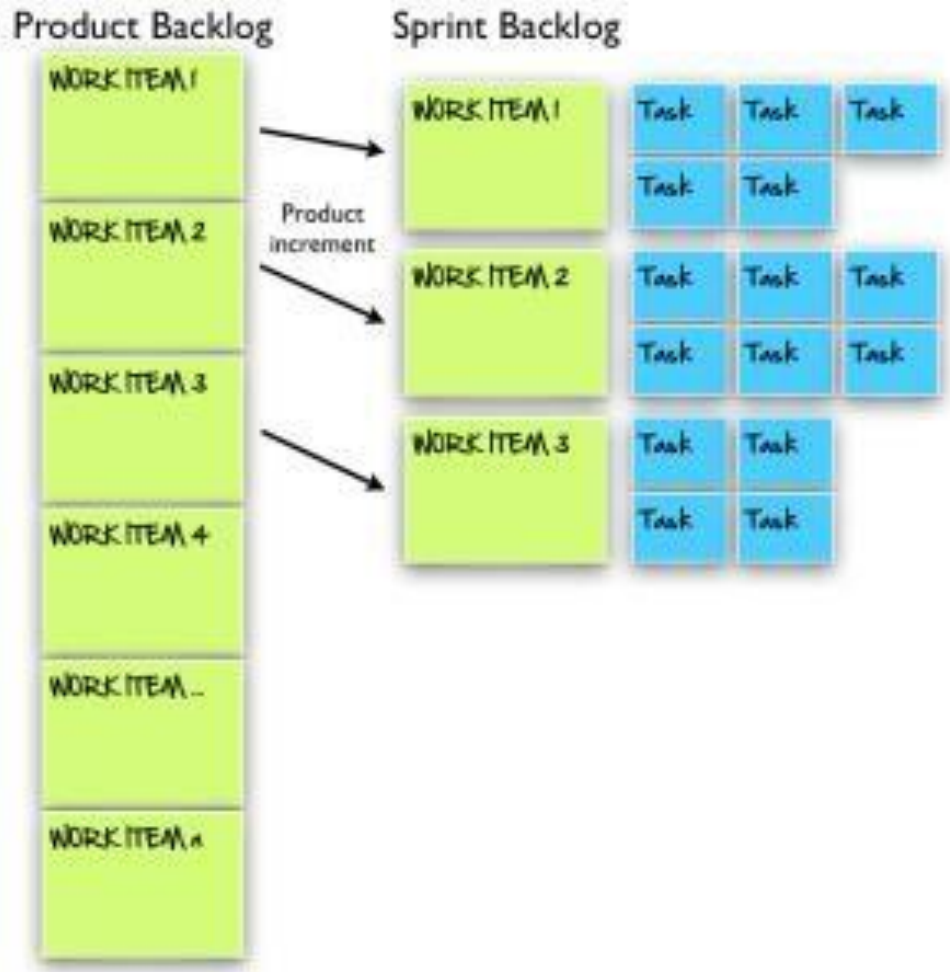
Artifacts

Sprint Backlog

- What the team commits to each sprint is tracked in a Sprint Backlog. It contains a list of user stories the Product Owner would like to developed for that sprint.
- Items picked from the Wish list by the development team and executed during the sprint.
- Prioritize by the Development team.
- Each user story will be assigned points or Hours.



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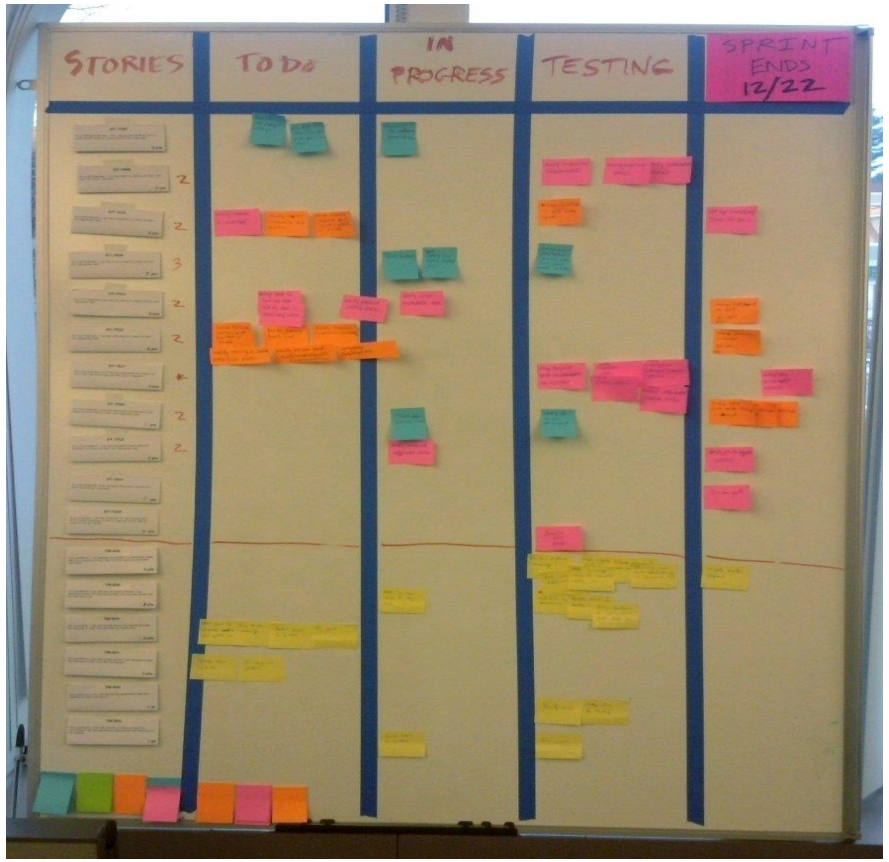

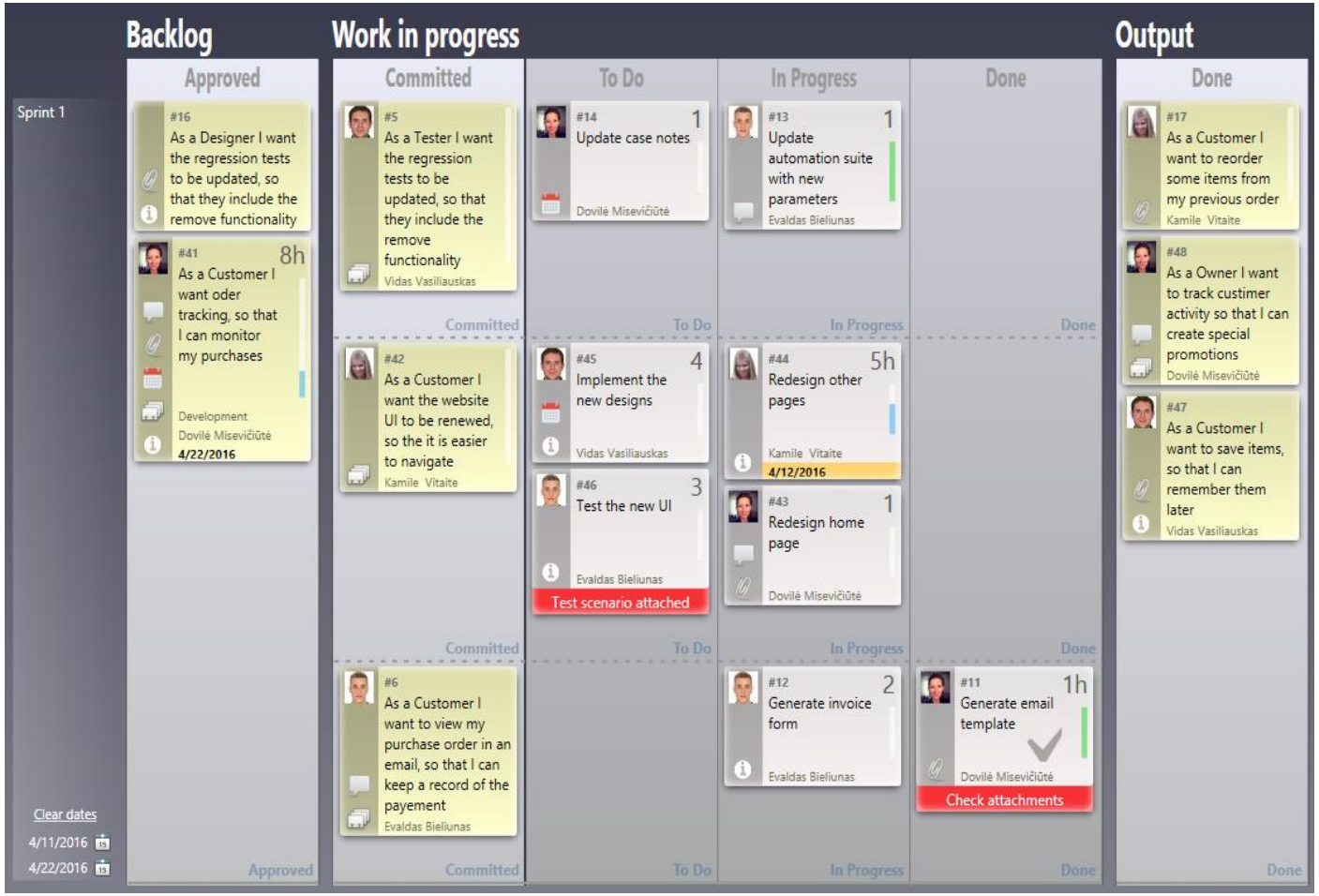

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Artifacts

Sprint Burndown

- Chart to determine the **progress** of the team on the sprint.
- The team should answer the following **questions every day.**
  - How much work remains in the sprint?
  - Is the team on track to finish all the work in sprint.
  - Should we add work ?

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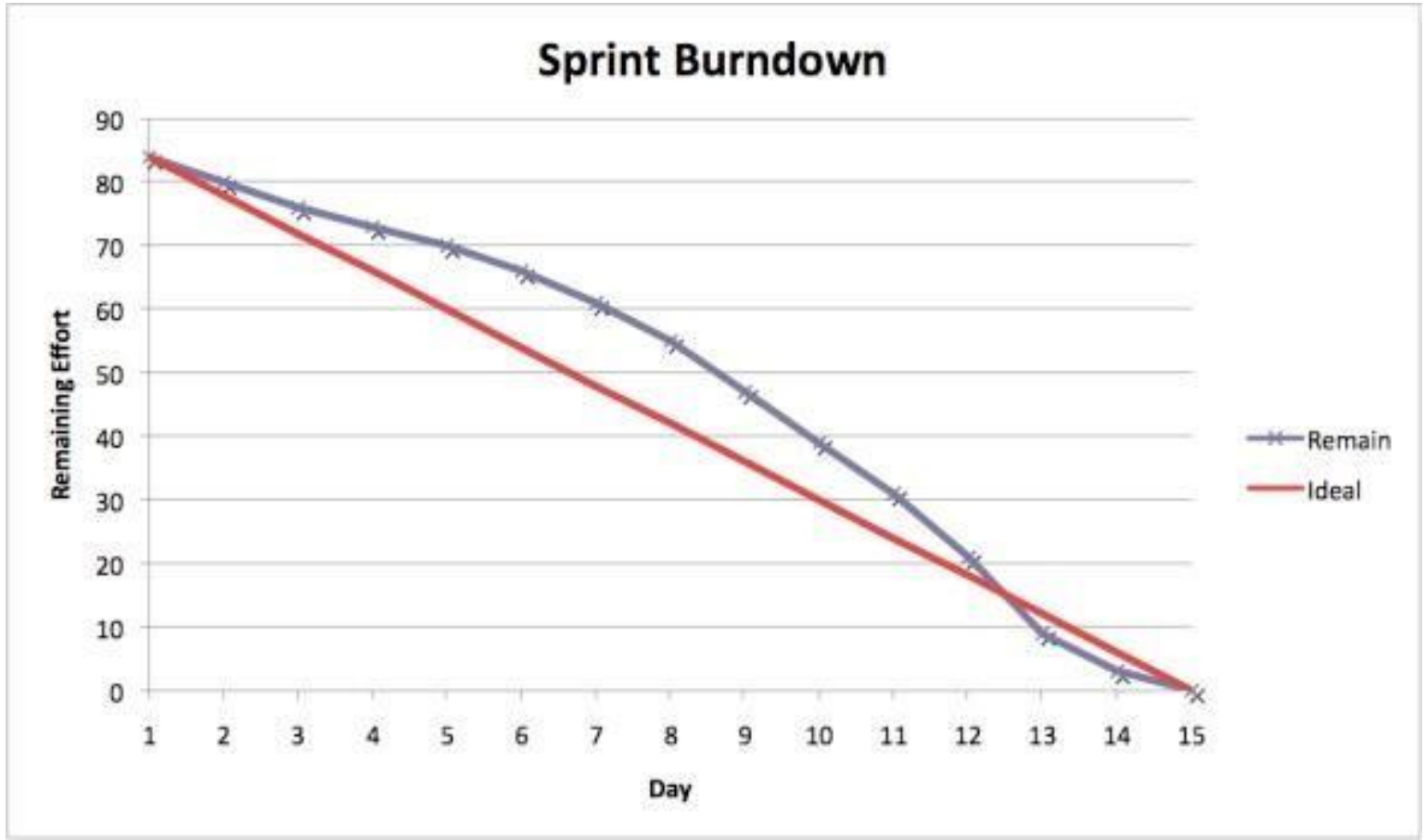
Sprint Burndown Chart



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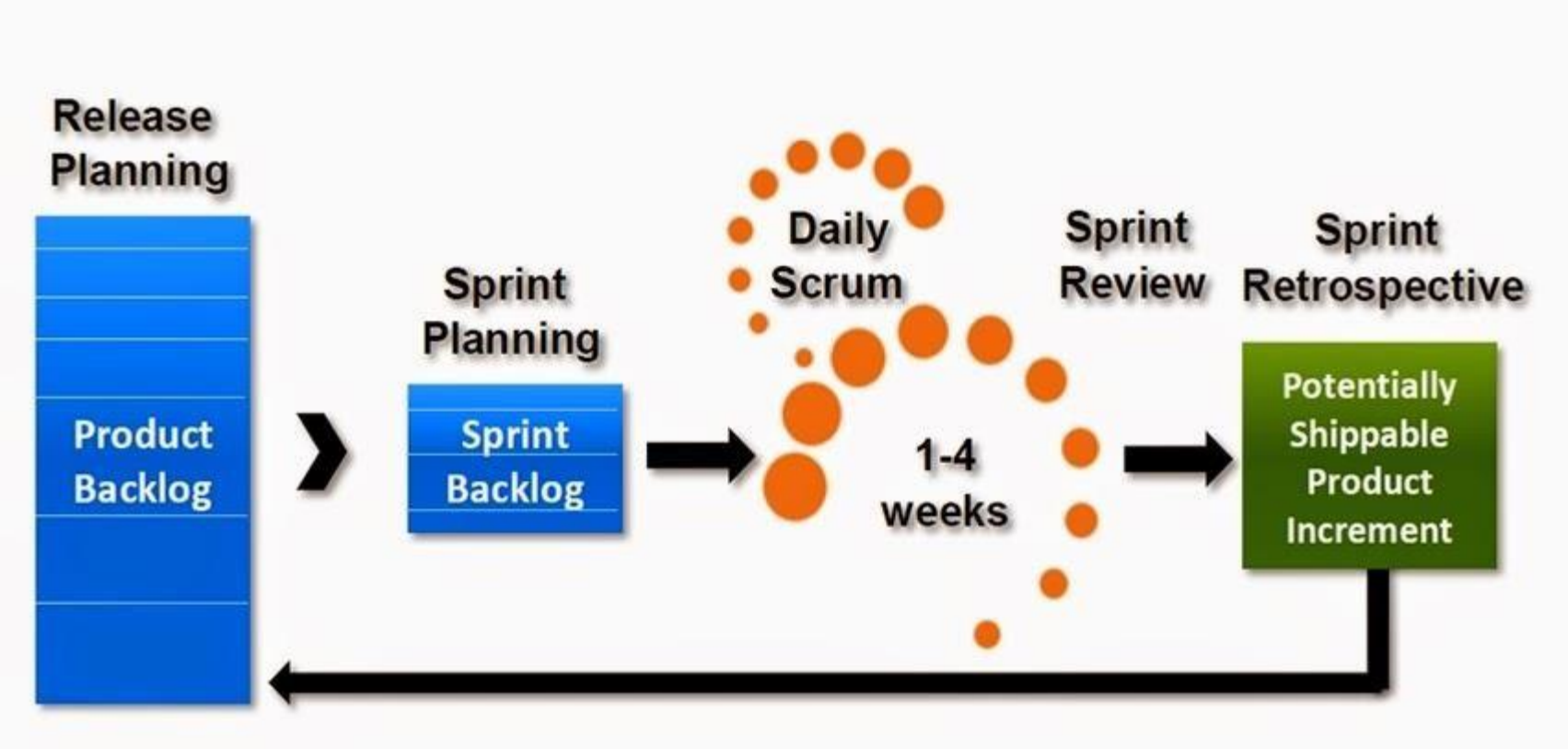
Events

- Sprint Planning
- Daily Standup
- Sprint Demo/ Review
- Sprint Retrospective



Sprint Planning

Attendees : Development team, Scrum Master, Product Owner, BA's

When: At the beginning of the Sprint

- Team meets to discuss User Stories & task.
- Lead by Scrum Master but product owner makes Decision
- Sprint Backlog is Created
  Task is defined and estimated

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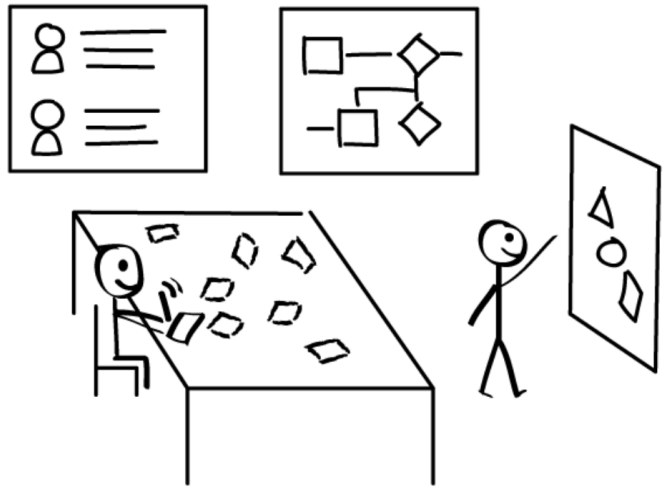
This looks x2 as big as that.



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Daily Standup

Attendees: Development team, Scrum Master, BA's

When: Daily

15 mins long
What you did **yesterday** ?

What you plan on doing **today** ?

Any **blockers/impediments** ?

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Sprint Review/ Demo

Attendees : Development team, Scrum Master, Product Owner ,BA's, Customers/Stock holders

When: Right after sprint ends. The following day.

- Typically **lead by a SME or Test Lead**.
- Show what was **accomplished** in the sprint.
- **Demo to client newly created functionality walk them through and** recieving feedback

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Sprint Retrospective

Attendees : Development team, Scrum Master, Product Owner ,BA's

When: Right after sprint ends. The following day.

- **What went well**
- **What type of issues and problems came up • Continue doing things that worked Stop doing things that causes problems**

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