

Development Process Proposal

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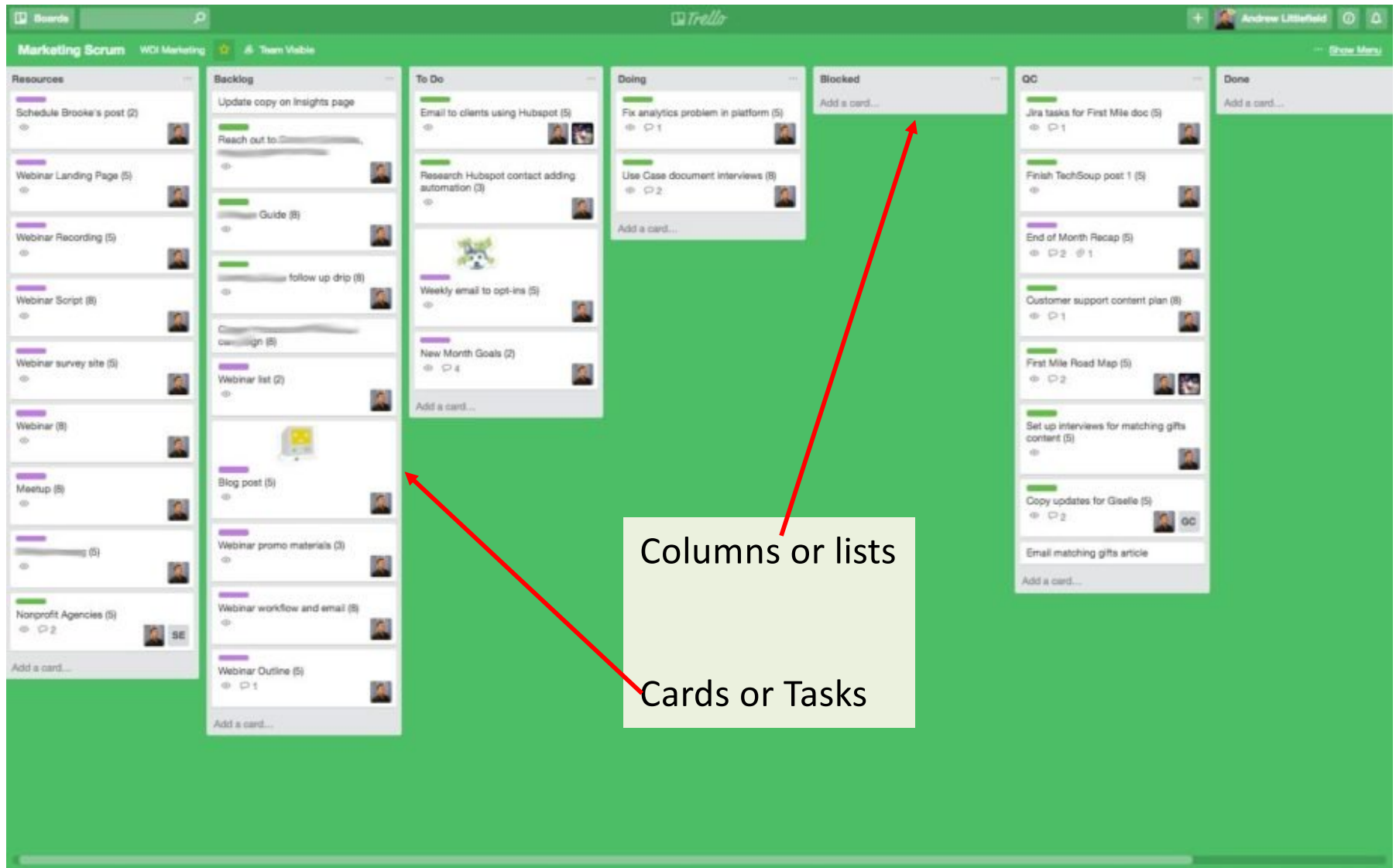
DUNE DAQ Dataflow Meeting

Agile Scrum

Concepts/characteristics

- Transparency/communication/teamwork
- Shippable product at the end of each Sprint
- Scrum roles – Product Owner, Scrum Facilitator, Scrum team
- Fixed length development cycle and regularly-scheduled, time-boxed meetings (plus lots of other collaborative work)
- Avoid the marketing blah blah
- Flexibility and learning
- User stories
- Story board(s)
- Challenge: can't meet and talk in person

Sample Scrum board



Proposals

I continue to learn more about Scrum and put together some notes on a couple of aspects in the next few days. I'll start a Wiki page with notes on the resources that I'm reading/watching/listening.

I contact a few of you, and we try to refine some higher-level user stories (i.e. Epics) from the Product Backlog into ones that would be candidates for development during a Sprint (i.e. User Stories for the Sprint Backlog). [This is one of the Scrum process components, based on my current level of knowledge; apologies if I need to change the wording of this statement as I learn more.]

We start with Github Issues and Project Boards (Trello and Jira are also candidates, and there are probably other tools available).

Backup

Agile SW development

Reference: <https://blog.trello.com/beginners-guide-scrum-and-agile-project-management>

“*Agile* refers to a set of “methods and practices based on the values and principles expressed in the Agile Manifesto,” ”

“*Scrum* is a framework that is used to implement Agile development.”

KAB: *Kanban* is another Agile framework. It is more tailored to support tasks than development tasks.

Agile SW development

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- “Scrum starts with a **Product Owner**. This is the person who represents the final user’s best interest, and has the authority to say what goes into the final product.”
- “That Product Owner is in charge of making the **Backlog**, a list of tasks and requirements the final product needs. Here’s an important part: *The backlog MUST be prioritized*. That’s the job of the Product Owner.”
- “Next up is the **Sprint**. A Sprint is a predetermined timeframe within which the team completes sets of tasks from the Backlog. The length of time depends on the needs of the team, but two weeks is pretty typical.”
- “Teams meet every day to give progress updates in the **Daily Scrum**. Many people also call these “Daily Stand-Ups.” ”
- “Each Sprint ends with a **review**, or Retrospective, where the team reviews their work and discusses ways to improve the next Sprint.”
- “Remember, there’s no room for egos in Scrum. Scrum runs on a “servant leader” model.”

Scrum board

Reference: <https://blog.trello.com/beginners-guide-scrum-and-agile-project-management>

“An important principle in Scrum is the idea of transparency. All team members involved should be aware of what everyone else is working on, progress being made, and what the team is trying to accomplish.

That’s why making things visible for all to see is so important.

A big piece of this is the **Scrum Board**. This is a place where you can organize your Backlog, as well as tasks that are being worked on in the current sprint and their progress.

Scrum Boards can be as simple as a whiteboard with sticky notes for each task, or as complicated as specialized software, with charts and task tracking features.”

References

Some of these are more useful than others

1. <https://scrumguides.org/docs/scrumguide/v2016/2016-Scrum-Guide-US.pdf>
2. "Scrum" book by James Turner
3. <https://blog.trello.com/beginners-guide-scrum-and-agile-project-management>
4. <https://loganix.com/scrum-for-trello-marketing-agency/>
5. <https://medium.com/the-liberators/10-powerful-strategies-for-breaking-down-user-stories-in-scrum-with-cheatsheet-2cd9aae7d0eb>
6. <https://agiledigest.com/agile-digest-tutorial-2/preparing-working-scrum-board-sprint-board-n/>
7. <https://blog.trello.com/how-to-scrum-and-trello-for-teams-at-work>
8. <https://usefyi.com/scrum-board/>
9. <https://www.softwaretestinghelp.com/jira-scrum-board-sprint/>
10. <https://community.atlassian.com/t5/Agile-articles/Best-Practices-Thoughts-on-Issue-Hierarchy-in-Jira-Software/ba-p/653581>
11. <https://community.atlassian.com/t5/Jira-Software-questions/Hierarchical-view-of-epics-and-user-stories/qaq-p/254878>