

Release Plan: Scrum Tools

Release 2.0.0, Revision 5, 3/1/2024

High Level Goals

The problem we noticed was that many project management tools for software development are very general purpose and allow for many different styles of management. When they are used for Scrum, important Scrum-specific tools and practices are often not possible or not enforced, leading to the widespread epidemic of “flaccid Scrum” among many projects. However, with a more focus and specific tool, we can enforce a stricter form of Scrum and assist in managing the software development process.

Currently, Scrum Mate has minimal functionality and lacks many important steps in the Scrum process. In this release, we plan to add more strictness by forcing teams to freeze release plans before working and implementing a more complete user interface matching what is expected in the industry.

Sprints

Sprint 1:

Priority	Story	Acceptance Criteria	SP
1 - Must	As a product owner, I want to create new release plans so I can add to previous plans and communicate my plan to the team.	Have a good form for inputting and editing a release plan Be able to create a new release plan based on the current release plan Changes can be saved. Have automatically generated version numbers depending on if a release plan is created fresh, or if it is a revision of a previous release plan. Team can see all versions (previous versions, signed versions, unsigned versions) of the release plan.	5
1 - Must	As any user, I want to create, update, reorder, and delete user stories from the product backlog so that I can list new requirements for user functionality and more manage their relative priorities..	Be able to create new user stories Be able to input the user type, required functionality, and reasoning into a new user story. Be able to provide the priority of a user	5

Priority	Story	Acceptance Criteria	SP
		story as 1, 2, 3, 4. Be able to provide a fibonacci number for story point estimates. Be able to reorder user stories in the backlog. Be able to update and delete user stories.	

Sprint 2:

Priority	Story	Acceptance Criteria	SP
1 - Must	As a product owner, I want to create new release plans so I can add to previous plans and communicate my plan to the team.	Have a good form for inputting and editing a release plan Be able to create a new release plan based on the current release plan Changes can be saved. Have automatically generated version numbers depending on if a release plan is created fresh, or if it is a revision of a previous release plan. Team can see all versions (previous versions, signed versions, unsigned versions) of the release plan.	5

Sprint 3:

Priority	Story	Acceptance Criteria	SP
1 - Must	As a product owner, I want to create new release plans so I can add to previous plans and communicate my plan to the team.	Have a good form for inputting and editing a release plan Be able to create a new release plan based on the current release plan Changes can be saved. Have automatically generated version numbers depending on if a release plan is created fresh, or if it is a revision of a previous release plan. Team can see all versions (previous versions, signed versions, unsigned versions) of the release plan.	5

Sprint 4:

Priority	Story	Acceptance Criteria	SP
1 - Must	As a product owner, I want to add a new sprint to an editable release plan so that I can plan the sprints while making the release plan.	Can add a new sprint to the release plan. Looks better Can remove sprints Can edit sprints	3

Sanity check

Sprint	Story Points	Sanity Check
1	10	Both these stories are already mostly implemented by the previous team, so it should not be as much work. Most of this sprint's difficulty would be from the spikes of learning Typeorm and replacing mongoose with it.
2	5	Based on the progress of sprint 1, we believe we can finish one of the stories in sprint 2, especially since midterms are completed.
3	5	We should have many tasks left on this story, and there are about 15 ideal hours which seems on pace for us, especially since we are gearing up now.
4	3	We are going to be busier this week and with finals coming up as well as our experience with the last use story, we decided to go for fewer story points this sprint.

Product Backlog

These user stories will not make it into the release. Higher-priority stories are at the top.

Priority	Story	Acceptance Criteria	SP
1 - Must	As any user, I want to see all the projects I own and the projects I have joined so that I can get more information about the project I am about to work on.	Be able to see a table for all the projects Be able to see the owners of the projects Be able to see your role in the project Be able to navigate to the project's release plans	3
1 - Must	As any user, I want to keep my data private from some others on the site not related to my projects so that our privacy and internal progress is not open to the	Be able to sign into the page Looks good	5

Priority	Story	Acceptance Criteria	SP
	public.		
1 - Must	As any user, I want to create, update, reorder, and delete user stories from the product backlog and sprints so that I can list new requirements for user functionality and manage their relative priorities.	Be able to create new user stories Be able to input the user type, required functionality, and reasoning into a new user story. Be able to provide the priority of a user story as 1, 2, 3, 4. Be able to provide a fibonacci number for story point estimates. Be able to reorder user stories in the backlog. Be able to update and delete user stories.	13
1 - Must	As any user, I want to provide a fibonacci number for story point estimates so that we are forced to place the estimate into a bucket rather than argue over small differences.	Be able to add an estimate for story points Be able to input only a fibonacci number for an estimate	2
1 - Must	As any user, I want to edit a release plan before signing it so I do not have to wait until I have all the details to start working on the release plan	Be able to reopen the saved release plan in the editor Be able to edit the unfinalized release plan and automatically save revisions	5
1 - Must	As a product owner, I want to sign a release plan and freeze it so everyone will refer to the same stories in the future.	Be able to click a button to finalize the release plan Be able to see the finalized release plan but not edit it Can only sign a release plan when all of these are true: Every story has been estimated by at least 50% of the team Every sprint has a start and end date Every sprint has an assigned Scrum Master. Show a warning if not	3
1 - Must	As a team member, I want to change stories without affecting a signed release plan because I want to contribute user stories to the next release.	Cannot make changes to a frozen release plan. Changing a story that was in a frozen plan makes a new copy for future documents to refer to.	5
1 - Must	As a product owner, I want to request	Be able to click a button to request	5

Priority	Story	Acceptance Criteria	SP
	signatures from the Scrum Team so that we can formally agree on the release plan.	signatures Be able to see signatures from the team Team members are notified of the request and can click a button to sign it	
1 - Must	As a product owner, I want to add a new story to the product backlog so that I can give the team more stories to work on if they are going faster than expected.	Be able to add onto the product backlog Be able to edit different user stories that are added to the backlog. Be able to see the backlog independent of release plans	3
2 - Should	As any user, I want to collaborate with others on projects so that we can get more done.	Be able to add, invite, join, and remove projects	5
2 - Should	As any user, I want to be able to organize my projects so that I do not waste time trying to find the project I want to work on	Be able to sort the table Be able to search for a project	3
2 - Should	As a team member, I want to be restricted from editing a sprint plan if the sprint has started because I do not want to accidentally change the requirements after the sprint is in progress.	Sprint plans will be frozen and cannot be edited by anyone. Can only view frozen sprint plans.	3
2 - Should	As a team member, I want to add actions (spikes, system features, bugs, tasks) to a sprint or a story so that we can account for work in a sprint not covered by tasks.	Sprints and stories can have “actions” assigned to them Can add and remove them from the editing menu Cannot modify them after the sprint is frozen. Can view them on the sprint or story	5
2 - Should	As the Scrum Master, I want to assign multiple people to a task so that I can represent collaboration among team members.	Tasks can have multiple people assigned to them The SM can assign people to tasks and take them off of tasks.	5
2 - Should	As a team member, I want to assign myself to a task so that I can begin working on a task when I don’t currently have one.	Be able to select different tasks and assign them to themselves.	5
3 -	As a product owner, I want to conduct a	Be able to write notes in a template about	3

Priority	Story	Acceptance Criteria	SP
Could	sprint review meeting (for now, just notes) so that I can track the team's progress.	the sprint review meeting Be able to access previous sprint review meetings The team is able to see these notes Be able to continue Scrum after the review meeting	
3 - Could	As a scrum master, I want to be forced to conduct a retrospective meeting after the review meeting so that I do not accidentally skip this step of the process.	Cannot begin the next sprint until the retrospective is completed, but can make edits to plans as usual. Be able to write notes in a template about the sprint retrospective meeting	3
3 - Could	As a team member, I want to view the retrospective meeting notes (privacy issue with the owner and other stakeholders) so that we can look at our progress and effectiveness over time.	Be able to see previous retrospective notes as anyone on the team. Be able to control the privacy of these notes as SM The team is able to see these notes	2
3 - Could	As a team member, I want to access the Scrum Board so that I can stay updated on progress and see my collaborators.	Be able to see the scrum board. Can see the different columns of the scrum board (story, todo, in progress, completed) Area of boxes proportional to estimate?	8
3 - Could	As a team member, I want to move stories and actions on the current sprint board (TODO, In Progress, Completed) so that I can keep others up to date on my work.	Tasks for a story are on the same row as their story card. Can edit the scrum board by dragging and dropping task cards to different columns	8
3 - Could	As any user, I want to have a template for filling out user stories so that I do not forget to do part of it.	Creating a new user story had 3 inputs for the user types, the functionality, and the reasoning	2
3 - Could	As a Product Owner, I want to be able to define my users so that stories will better target the same group of users.	Be able to see and edit a list of user types Be able to select the types of users when creating a new user story	3
3 - Could	As a team member, I want to estimate any story that is not part of a signed release plan (mimicking playing poker) because the team needs accurate predictions for stories.	If the release plan is not signed, team members can estimate any story. Be able to play planning poker for a story	5

Priority	Story	Acceptance Criteria	SP
3 - Could	As a Scrum master, I want to generate the sprint report automatically so I do not have to think about formatting it or fetching data.	Be able to enter information about what to keep doing, what to stop doing, and what went well. Be able to see statistics from the last sprint and compare them to the average sprints. Be able to see the Burn-up Chart The team is able to see previous sprint reports.	8
3 - Could	As any user, I want to be able to quickly check the acceptance criteria of my user stories so that I do not need to spend a long time scanning them to read them	Be able to click a button to flip cards in the release plan to view their acceptance criteria	
4 - Won't	As any user, I want to get hints on how to fill various Scrum documents I must complete so that I can follow Scrum more faithfully.	Small "hint" pop ups near text boxes or documents that must be filled out Explain what they are and what they should do/best practices	5
4 - Won't	As a Scrum Master, I want to decide whether or not tasks in sprint plans can be modified after the sprint has started.	Be able to lock and restrict stories if the sprint has already started.	1
4 - Won't	As a team member, I want to add tasks to a story that is in the sprint when it is allowed so that we can break down user stories while still following Scrum rules.	If it is allowed at the time of accessing, team members are able to create, add, edit and remove new tasks.	3
4 - Won't	As a Scrum Master I want to kill sprints when they go badly so the team can restart with a new sprint plan.	SM can kill a sprint SM gets a warning message before killing the sprint The team sees this change reflected The next sprint cannot start until a new sprint plan is approved for it	5
4 - Won't	As a PO I want to have automatically generated stories/system features so that I do not have to worry about wording them correctly.	Be able to describe the functionality to an LLM Be able to see the recommended stories of the LLM and click one to select it	13
4 - Won't	As any user, I want to keep my current meeting tools such as Zoom synchronized with scheduling in the app so I do not have to keep them consistent myself.	Be able to plan meetings on third-party meeting tools within the application. Being able to join meetings from within the application	13

Priority	Story	Acceptance Criteria	SP
4 - Won't	As a SM I want to synchronize boards like Jira or other boards with ScrumMate because it will help get the team used to the new management service.	Be able to synchronize with third-party scrum boards for sprint planning and other functionalities.	21