

SCRUM Management Tool

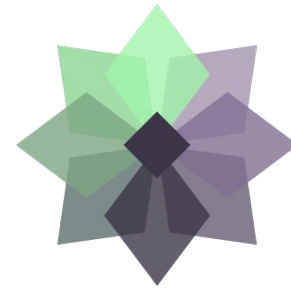
Taiga

University of Fribourg
Department of Informatics
Software Engineering Group



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1. Introduction
2. Platform Usage
3. Extra features
4. GitHub repositories



- Taiga is a web-based project management platform.
- It focuses on agile and SCRUM development, and offers a variety of tools (backlogs, burndown charts, etc.).
- It proposes external integrations, such as GitHub.
- It is open source, you can change it and deploy it yourself.
- Taiga.io (<https://taiga.io>) offers cloud hosting with free and paid plans.
 - The free plan is sufficient and will be used for your project.



- Your team will use this tool for your group project.
- The way you manage your project will be one of the criteria for your grade.
 - This includes the regularity of your work and the correct use of the platform.
- This tool also allows us to check that your project is being developed smoothly.

- In order to correctly set up your project, follow these steps:
 - 1) Create a free account on taiga.io.
 - 2) One member: create a new SCRUM project:
“ASE2020-<team name>”.
 - 3) Change one of the roles’ (e.g. UX) name to “developer” in the “permissions” setting.
 - 4) Delete all roles except developer and product owner.
 - 5) Invite your team members as developers.
 - 6) Invite us ([arnaud.durand, pascal.gremaud] @unifr.ch) as product owners.
 - 7) Create three sprints (“Sprint 1”, 2 and 3) with the correct dates (see the course planning, the sprints start on Thursdays and end on Wednesdays).

Adding User Stories

2. Platform Usage

- Once you created your user stories, gave them story points and ordered them, you can add them in Taiga.
 - 1) Click on the “Backlog” menu.
 - 2) Click on “Add a new user story”.
 - 3) Create the user story, and add the correct number of points.
 - 4) You may assign a story to a developer, but you don’t need to (it will be split into assignable tasks later on).
 - 5) Back on the backlog screen, you can drag-and-drop the stories into their respective sprints at the beginning of each one (first sprint for now).
 - If you correctly estimated the development time of your stories during the product backlog, you should not have to postpone user stories later on (it may happen, though).

- At the beginning of each sprint, you will have to split a story into tasks.
 - 1) Click on the current sprint in the “Backlog” menu.
 - 2) Click “+” next to a story to create a new task.
 - 3) Assign the task to one member.(Taiga considers the different tasks of a story to have an equal amount of “points”)

Charts 1/2

The product burndown chart


2. Platform Usage

- Set up your product burndown chart (settings - project - modules - backlog): 3 sprints, with the total number of points you planned.
- This chart will give you a broad idea of how well your project is going.
- Note that the number of stories you implement may change throughout the sprints, the chart is not an exact representation of your remaining work.

Charts 2/2

Sprint burndown charts

2. Platform Usage

- During the sprint, update the tasks state according to your work.
- You can see the sprint burndown chart by clicking on this symbol: This is a small, dark square icon containing a white line graph representing a sprint burndown chart.
- This is the artifact you should pay the more attention to. Try to stay under the optimal curve to avoid delays and messy sprint endings. We will also regularly check the chart!

- Explore the different features of Taiga and find the ones that may help you the most (e.g. issues, wiki).
- Take a look at the Github integration:
<https://tree.taiga.io/support/integrations/github-integration/>
 - Using your commit message, you can reference elements such as tasks or issues, and even change their state.

- Along with Taiga, the management of your repositories will also be a relevant aspect of your project evaluation.
- You need to:
 - Create an organisation: “ASE2020-<your team>”
 - Create one repository per element of your project:
 - “thingy-api-<your team>”
 - “thingy-client-<your team>”
 - ...
 - Add Arnaud and Pascal as members of your organization.
 - arnaud.durand@unifr.ch, pascal.gremaud@unifr.ch
- We encourage you to link your repositories with your Taiga project.