

Release Plan

SPRINT 1:

- As Hanno (an administrator), I want plugin API support for the application, where I can create, add, modify plugins written in a programming language that the application can use to extract data from other catalogs.
- As Hanno (an administrator), I want the application to check other exoplanet databases for new changes on a specified interval (default is daily at 11:59pm).

Estimate: 19 Story Points

SPRINT 2:

- As Hanno (an administrator), I want each to be able to standardize units of measurements found in its catalogue to one that I specify in the settings of the application. (**Finish remaining**)
- As Hanno (an administrator), I want to use GitHub repo collaborators as a way of distinguishing which user has access to use the application (manage pull-requests, run the server).
- As Hanno (an administrator), I want the program to make pull requests to the OEC database when it finds changes in the databases that the application is monitoring, using an automated Github user account.
- As Hanno (an administrator), I want the website source of the new changes to be a comment in the pull-request in the database.

Estimate: 30 Story Points

SPRINT 3:

- As Irving (a user), I want to be able to interact with the application using a user interface. (**Half**)
- As Irving (a user), I want to be able to click on a newly updated system from a list in the UI and have lines highlighted, showcasing which parts in the XML file have changed.

Estimate: 25 Story Points

SPRINT 4:

- As Irving (a user), I want to see the history of pull requests, on a user interface
- As Irving (a user), I want to be able to click on a newly updated system from a list in the UI and have lines highlighted, showcasing which parts in the XML file have changed.

Estimate: 25 Story Points

SPRINT 5:

- AS Hanno(an administrator), I want to the data retrieved by a plugin to be merged with existing data in the Open Exoplanet Catalogue.
- As Hanno (an administrator), I want to be able to force the application to run even if it is not scheduled to check the databases.
- As Irving (a user), I want to see the history of pull requests, on a user interface
- As Irving (a user), I want to see the planets that have been most recently added/edited by the application in the OEC, using the user interface.
- As Irving (a user), I want to be able to accept, reject, or amend pull requests made by the application through a user interface by pressing a button on a pop-up window.

Estimate: 31 Story Points

SPRINT 6:

- As Irving (a user), I want to be able to edit a pending pull request through a user interface by pressing an edit button when shown a list of new changes.
- As Hanno (an administrator), I want to be able to change time controls, bot account settings, conversion units in a settings form in the application.
- Finish leftovers and testing

Estimate: 20+ Story Points

Total: 150 Story Points

*Updated: Some story points adjusted and sprints contents are changed.