Open Exoplanet Catalogue

Deliverable 3 Part B: Sprint 1 Report

By: Team 5

OEC Table of Contents

Sprint Plan

Priority Scale (Low 1 - 5 High)
Cost in Story Points (1 Story Point = 1 Developer Hour)

1.1 Download Data from Other Catalogues
User Story ID: 4.1
Priority: 5
Cost: 3
As Prof. Copper, I want to be able to download csv data from other catalogues from a given URL; so that it can then be used to generate updates.

1.1.1 Implement csv downloader function using urllib library for python.
Task I: 4.1.1
Priority: 5
Cost: 1
Completion Time: October 17, 2016
Assigned To: Marhababanu Chariwala

1.1.2 Implement csv conversion into usable data values using csv library for python.
Task I: 4.1.2
Priority: 5
Cost: 1
Completion Time: October 18, 2016
Assigned To: Ahsan Zia

1.1.3 Test using actual csv files from Nasa and Exoplanet.eu.
Task I: 4.1.3
Priority: 5
Cost: 1
Completion Time: October 19, 2016
Assigned To: Ahsan Zia

1.2 Only Fetch Datafields In OEC
User Story ID: 4.2
Priority: 5
Cost: 2
As Prof. Cooper, I want to fetch data from other catalogues only if its data field exists in the OEC (i.e. there should not be an update notification if another catalogue updated its value for “Chance of Living Organisms” in Planet X, and the OEC does not have a corresponding XML data value to “Chance of Living Organisms.”

1.2.1 Map data points from Nasa to XML values
Task I: 4.2.1
Priority: **5**
Cost: 1
Completion Time: October 20, 2016
Assigned To: Lucy Xing

1.2.2 Map data points from Exoplanet.eu to XML values
Task I: 4.2.2
Priority: 5
Cost: 1
Completion Time: October 20, 2016
Assigned To: Lucy Xing

1.3 Convert Data from Catalogues into XML
User Story ID: 4.3
Priority: 5
Cost: 8
As Prof. Cooper, I want to automatically generate XML system pages (one system per XML page) for the OEC for data taken from the NASA Exoplanet Archive and Exoplanet.eu.

1.3.1 Implement function taking a row of csv data and a mapping, then outputting a well formatted XML file using xml.etree.ElementTree library for python.
Task I: 4.1.2
Priority: 5
Cost: 3
Completion Time: October 22, 2016
Assigned To: Ian Ferguson

1.3.2 Implement function that takes a full csv file and creates a XML file for each entry.
Task I: 4.1.2
Priority: 5
Cost: 2
Completion Time: October 23, 2016
Assigned To: Ian Ferguson

1.3.3 Test using actual csv files from Nasa and Exoplanet.eu.
Task I: 4.1.2
Priority: 1
Cost: 1
Completion Time: October 23, 2016
Assigned To: Jubin Patel

Sprint Overview

2.1 Convert Submit a brief overview of your project as it progressed from deliverable 2 to deliverable

After deliverable 2, we sent Prof. Hanno an email to find out which user stories were more important. Our team held two online meetings to accomplish the following:

- Generally, edit the user stories and provide each user story with an priority (1-5)
- Split each user story to smaller tasks
- Assigning each task with a cost, due date, and to a team member
- Create Burn Down Chart with estimated curve plotted
- Develop the Release Plan

Each member started working on his/her tasks soon afterwards. We committed any progress through the team repository on GitHub. Although there was a delay due to midterms during the week, our team eventually were able to complete all planned tasks.

2.2 What was your estimated project velocity?

Our team estimated project velocity was 11 story points (1 story point == 1 developer hour)

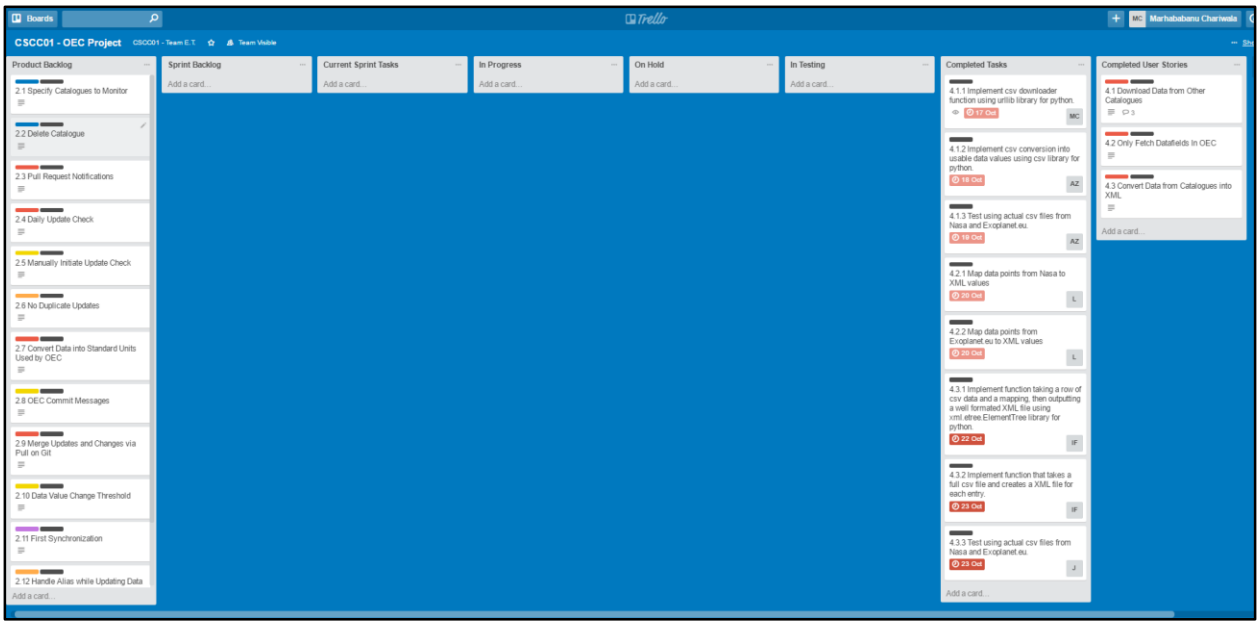
2.3 What was your actual project velocity?

Our team actual project velocity was 11 story points (1 story point == 1 developer hour)

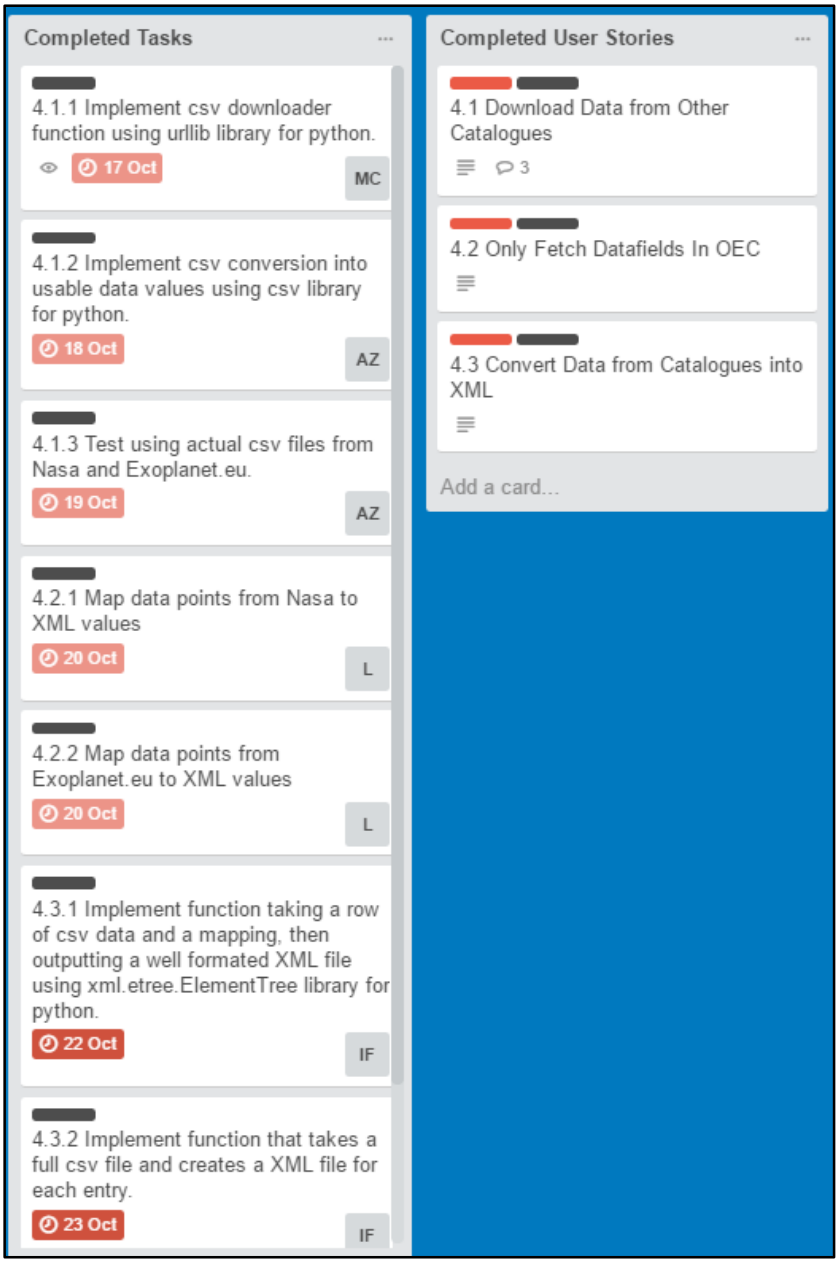
2.4 Did you follow your plan(s) exactly, or did you have to re-plan at some point (and why)?

Our team followed the sprint plan and did not have to re-plan. We were behind of the plan because of midterms but we were able to catch up during after. Thus we completed all the tasks schedule before the sprint ended.

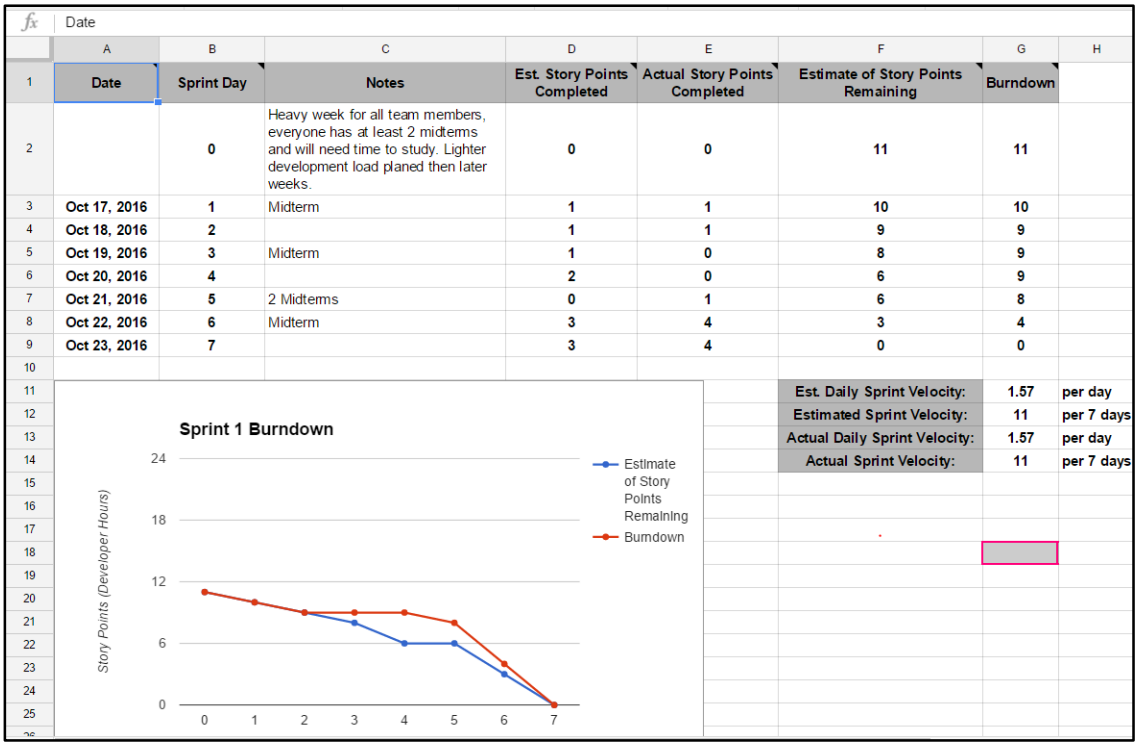
Snapshots



3.1 Trello Task Board Zoomed Out End of Sprint 1 (Oct 17 – 23): Column at very right shows the list of user stories completed and column named “Completed Task” contains tasks completed.



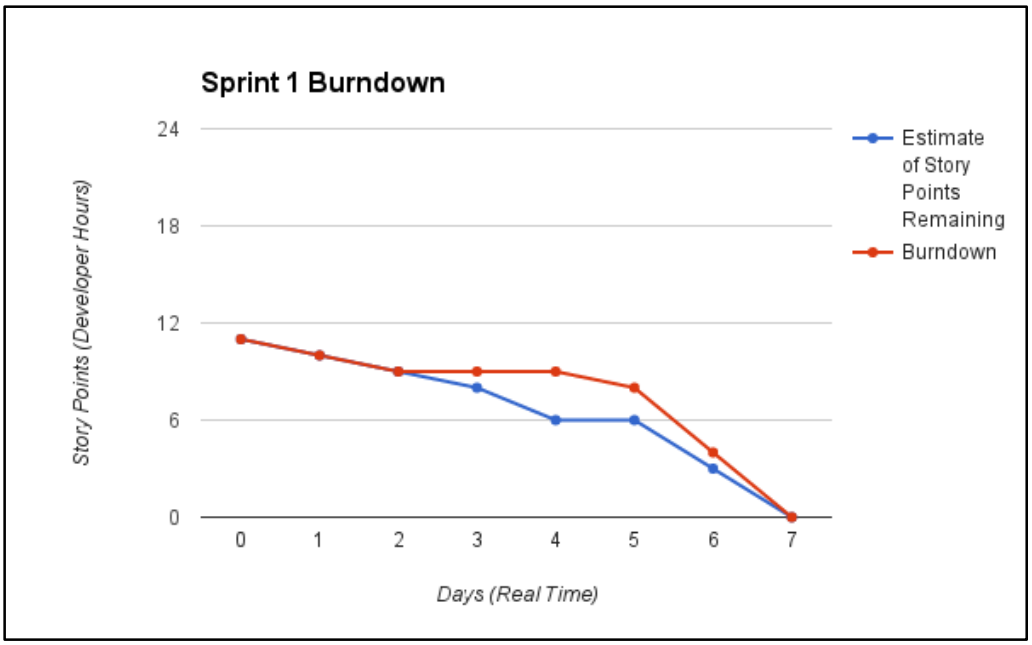
3.2 Trello Task Board Zoomed In End of Sprint 1 (Oct 17 – 23): Columns show the list of user stories and completed tasks respectively during sprint 1.



Date	Sprint Day	Notes	Est. Story Points Completed	Actual Story Points Completed	Estimate of Story Points Remaining	Burndown
	0	Heavy week for all team members, everyone has at least 2 midterms and will need time to study. Lighter development load planed then later weeks.	0	0	11	11
Oct 17, 2016	1	Midterm	1	1	10	10
Oct 18, 2016	2		1	1	9	9
Oct 19, 2016	3	Midterm	1	0	8	9
Oct 20, 2016	4		2	0	6	9
Oct 21, 2016	5	2 Midterms	0	1	6	8
Oct 22, 2016	6	Midterm	3	4	3	4
Oct 23, 2016	7		3	4	0	0

Est. Daily Sprint Velocity:	1.57	per day
Estimated Sprint Velocity:	11	per 7 days
Actual Daily Sprint Velocity:	1.57	per day
Actual Sprint Velocity:	11	per 7 days

3.3 Burndown chart zoomed out view. Actual story points filled for the story point completed on each day of the sprint.



3.4 Burndown chart. Our burndown chart at end of sprint 1 showing the estimate and actual burn.