

## Sprint Backlog (Sprint #2)

For the first sprint (10/24/2016 – 10/30/2016), the user stories that will be completed are the users stories found in 2.2, 2.4, 2.5, 2.7. This sprint will have a sprint velocity of 25 story points and will be 7 days long, starting on the Monday of this week. The developers at Spazio have estimated that they can each complete 5 story points per week. The following, details the user stories being completed and their corresponding tasks.

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### Standardizing Units – 2.2

Priority: High

Cost: 8 Story Points

As Hanno (an administrator), I want each plugin to be able to standardize units of measurements found in its catalogue to one that I specify in the settings of the application.

Completed Task. Find/build a unit conversion library (5 story points)

Task 1. Create a way of making general conversion (i.e., specify original unit and convert to whatever is defined in the settings) **(3 story points)**

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### User Permissions – 2.4

Priority: High

Cost: 2 Story Points

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).

Task 2. Create GitHub API management class, and add oauth2 login functionality (add ability to check if user is a collaborator of the repo). **(2 story points)**

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### Application Making Pull Requests – 2.5

Priority: High

Cost: 18 Story Points

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.

Task 3. Add repo management functionality to GitHub API class **(5 story points)**

Task 4. Add the ability to make pull requests to GitHub API class **(4 story points)**

Task 5. Integrate GitHub API into a server so that pull-request are made with each new change **(4 story points)**

Task 6. Add XML file reading to serializer **(3 story points)**

Task 7. Add the ability to update a XML file with changes to serializer **(2 story points)**

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## **Source of the Update – 2.7**

Priority: High

Cost: 2 Story Points

As Hanno (an administrator), I want the website source of the new changes to be a comment in the pull request in the database.

Task 8. Make it mandatory for plugins to extract publication data **(2 story points)**

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## Detailed Plan

	Oct 24	Oct 25	Oct 26	Oct 27	Oct 28	Oct 29	Oct 30
Task 1		2					
Task 2			5				
Task 3			3				
Task 4				2			
Task 5				2			
Task 6					3		
Task 7						1 + 2	
Task 8						2 + 3	

## Actual

	Oct 24	Oct 25	Oct 26	Oct 27	Oct 28	Oct 29	Oct 30
Task 1		2	2				
Task 2							5
Task 3							
Task 4							2
Task 5		2					
Task 6		3					
Task 7			2				
Task 8							

Legend:

Mark Viola  
Mike Petrella  
Hyeong Ook Yu  
ZiXian Chen  
Michael Liu

## Sprint Backlog (Sprint #3)

For the first sprint (10/31/2016 – 11/6/2016), the user stories that will be completed are the users stories found in 2.12, and 2.13. This sprint will have a sprint velocity of 25 story points and will be 7 days long, starting on the Monday of this week. The developers at Spazio have estimated that they can each complete 5 story points per week. The following, details the user stories being completed and their corresponding tasks.

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### Difference Between Updates – 2.13

Priority: Low

Cost: 25 Story Points

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.

Task 1. Add the ability to see recent changes compared to the master branch **(10 story points)**

Future Task. Create an interactable list of all recent changes (6 story points)

Future Task. Create a GUI that will display changes of the XML files (9 story points)

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### Creating a User Interface – 2.12

Priority: Medium

Cost: 35 Story Points

As Irving (a user), I want to be able to interact with the application using a user interface.

Task 2. Create basic UI application **(4 story points)**

Task 3. Add GitHub login UI **(3 story points)**

Task 4. Bot management GUI (add force check button and status checker) **(3 story points)**

Task 5. Add plugin management to UI **(5 story points)**

Task 6. Add pull request viewer to UI (14 story points)

Future Task. Add settings editor to UI (6 story points)

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## Detailed Plan

	Oct 31	Nov 1	Nov 2	Nov 3	Nov 4	Nov 5	Nov 6
Task 1		2 + 2	3 + 3				
Task 2			2 + 2				
Task 3				3			
Task 4				3			
Task 5					5		
Task 6							

## Actual

	Oct 31	Nov 1	Nov 2	Nov 3	Nov 4	Nov 5	Nov 6
Task 1				3			
Task 2							4
Task 3		1					
Task 4							
Task 5						5	
Task 6				3			

Legend:

Mark Viola  
Mike Petrella  
Hyeong Ook Yu  
ZiXian Chen  
Michael Liu

## Sprint Backlog (Sprint #4)

For the first sprint (11/7/2016 – 11/13/2016), the user stories that will be completed are the users stories found in 2.12, and 2.13. This sprint will have a sprint velocity of 25 story points and will be 7 days long, starting on the Monday of this week. The developers at Spazio have estimated that they can each complete 5 story points per week. The following, details the user stories being completed and their corresponding tasks.

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### Difference Between Updates – 2.13

Priority: Low

Cost: 25 Story Points

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.

Task 1. Add the ability to see recent changes compared to the master branch **(10 story points)**

Future Task. Create an interactable list of all recent changes (6 story points)

Future Task. Create a GUI that will display changes of the XML files (9 story points)

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### Creating a User Interface – 2.12

Priority: Medium

Cost: 28 Story Points

As Irving (a user), I want to be able to interact with the application using a user interface.

Completed Task. Create basic UI application (4 story points)

Completed Task. Add GitHub login UI (3 story points)

Task 2. Bot management GUI (add force check button and status checker) **(3 story points)**

Task 3. Add plugin management to UI **(5 story points)**

Task 4. Add pull request viewer to UI **(7 story points)**

Future Task. Add settings editor to UI (6 story points)

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## Detailed Plan

	Nov 7	Nov 8	Nov 9	Nov 10	Nov 11	Nov 12	Nov 13
Task 1			5 + 5				
Task 2			3				
Task 3				5			
Task 4					5 + 2		

## Actual

	Nov 7	Nov 8	Nov 9	Nov 10	Nov 11	Nov 12	Nov 13
Task 1							
Task 2							
Task 3							
Task 4							

Legend:

Mark Viola  
Mike Petrella  
Hyeong Ook Yu  
ZiXian Chen  
Michael Liu