






Project Name	Firmware Scraper
Online team meeting	https://rwth.zoom.us/j/96055295674?pwd=end6NDA1dWxQVzFzVU5yaGd1TkNHZz09 (Meeting-ID: 960 5529 5674 , Kenncode: 888598)
Production system (if any)	...
Test system (if any)	...
GitHub repository	https://github.com/amosproj/amos2022ws01-firmware-scraper
GitHub feature board	https://github.com/orgs/amosproj/projects/4
GitHub impediments backlog	https://github.com/orgs/amosproj/projects/3
Team T-shirt (white)	https://www.shirtinator.de/loadBasket/chHfuQUJA9C
Team T-shirt (black)	https://www.shirtinator.de/loadBasket/0OXdY99WtoY
Additional materials	...

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#	Meeting Day	Product Owner	Software Developer	Release Manager	Scrum Master	Comment
1	2022-10-19	Anna, Deepak	Oliver, Kiril, Leon, Lucy, Max	NA	Anna-Maria	
2	2022-10-26	Anna, Deepak	Oliver, Kiril, Leon, Lucy, Max	Deepak	Anna-Maria	
3	2022-11-02	Anna, Deepak	Oliver, Kiril, Leon, Lucy, Max	Lucy	Max	
4	2022-11-09	Anna, Deepak	Oliver, Kiril, Leon, Lucy, Max	Oliver	Anna-Maria	
5	2022-11-16	Anna, Deepak	Oliver, Kiril, Leon, Lucy, Max	Leon	Anna-Maria	
6	2022-11-23	Anna, Deepak	Oliver, Kiril, Leon, Lucy, Max	Kirill	Anna-Maria	
7	2022-11-30	Anna, Deepak	Oliver, Kiril, Leon, Lucy, Max	Max	Anna-Maria	Mid-term due
8	2022-12-07	Anna, Deepak	Oliver, Kiril, Leon, Lucy, Max	Max	Anna-Maria	
9	2022-12-14	Anna, Deepak	Oliver, Kiril, Leon, Lucy, Max	Lucy	Anna-Maria	
10	2023-01-11	Anna, Deepak	Oliver, Kiril, Leon, Lucy, Max	Oliver	Anna-Maria	
11	2023-01-18	Anna, Deepak	Oliver, Kiril, Leon, Lucy, Max	Kiril	Anna-Maria	
12	2023-01-25	Anna, Deepak	Oliver, Kiril, Leon, Lucy, Max	Leon	Anna-Maria	
13	2023-02-01	Anna, Deepak	Oliver, Kiril, Leon, Lucy, Max	Max	Anna-Maria	
14	2023-02-08	Anna, Deepak	Oliver, Kiril, Leon, Lucy, Max	Lucy	Anna-Maria	Demo day!
15	2023-02-15	Anna, Deepak	Oliver, Kiril, Leon, Lucy, Max	Oliver	Anna-Maria	Retrospective

Goals	Happy us and happy customer; learning new things; well working software that fulfills all requirements
	We want to create a space where everyone can learn from each other and where we benefit from our different strengths
Meeting norms	Show up max 10 min late with reason, communicate beforehand if there's a bigger delay. let others know in advance if you miss a meeting
Working norms	Try to write clean code, be considerate about commits when pairing, everyone should agree before releasing
	If someone struggles with a task we support each other and give contribution to the person who helped
Coordination norms	Let others know upfront if encountering any problems, need help, can't attend a meeting via whatsapp group; read emails and messages
Communication norms	Camera on, let people finish their sentences, write stand up emails regularly, communicate problems openly, be nice :)
Consideration norms	Camera can be off if the bandwidth is bad on teams, less tasks for people if they have an exam etc
	We volunteer for common jobs
Cont. improvement norms	We jointly review the happiness index in every team meeting
Rewards	Applause
Sanctions	Sad smileys on zoom :(
	
	Anna-Maria Sandrini
	
	Anna Kwiatek
	
	Lucy Pagel
	
	Kiril Murschel
	
	Oliver Strauch

L. Schäffer

Leon Schäffer

E. Pichottka

Elias Pichottka

M. May

Maximilian May

Deepak Raj

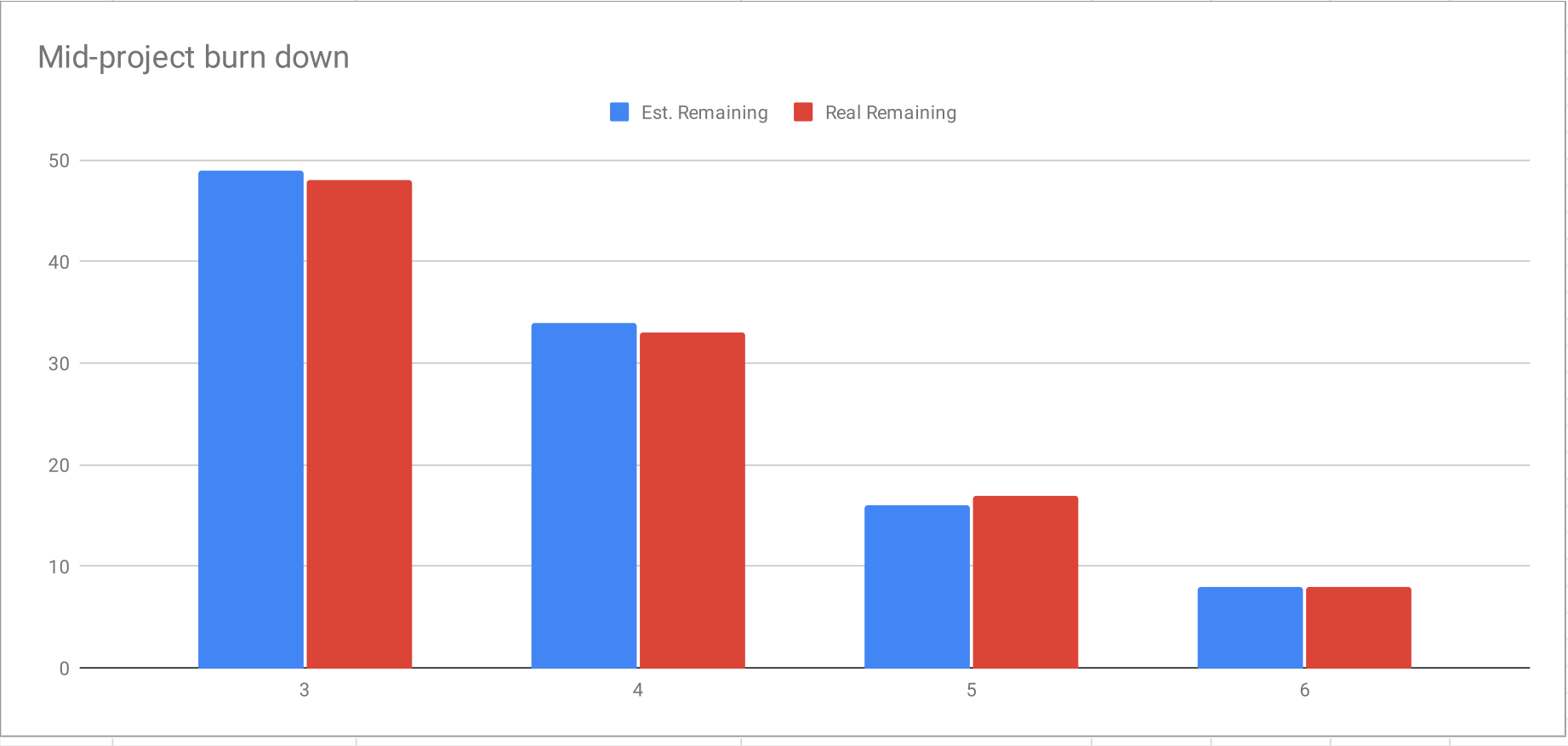
Deepakraj Krishna Kunder

Product Vision	Project Mission
<p>The firmware scraper makes it possible for those who are interested in gathering firmware data to always have the most recent information. Our automated solution offers the access to firmware's meta data from numerous vendors with a single click and without the need for spending further human resources.</p>	<p>The mission of this project is to create a software for downloading firmware from different vendors and storing their meta data in MySQL database. The main functionality will be scheduled searching for firmware, checking for presence in the data base, downloading the updated ones and storing the meta data in the data base. Overall, ensuring that the information in the data base is up to date and readily available for further analysis.</p>

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Sprint	Theme	Goal	Feature Name	Est. Size	Est. Remaining	Real Size	Real Remaining
Release	Mid-term						
No sprints	6						
Due Date	30.11.2022			49		48	
Sprints							
3	Reasearch Firmwares	Download Firmware		15	49	15	48
4	Project Structure	Schema and core structure		18	34	16	33
5	First vendor modules	Integrate vendor specific modules		8	16	9	17
6	Database refinement	Modifying database and vendor modules integration		8	8	8	8
Features							
3	Reasearch Firmwares	Download Firmware					
			Download Firmware - Zyxel	3		3	
			Download Firmware - AVM	3		3	
			Download Firmware - Schneider	3		3	
			Download Firmware - Synology	3		3	
			Download Firmware - Asus	3		3	
4	Project Structure	Schema and core structure					
			Create schema for SQL DB	5		5	
			Create MySQL Database	2		2	
			Create core structure	5		3	
			Scheduler	3		3	
			Saving Meta data to mySQL	3		3	
5	First vendor modules	Integrate vendor specific modules					
			Schneider scraping module integration with core	3		3	
			Refinement of AVM vendor module	3		3	
			Logger - concept	2		3	
6	Database refinement	Modifying database and vendor modules integration					
			Mapping the downloaded vendor meta data to the mySQL schema	2		2	
			Template vendor modules structure	2		2	

Sprint	Theme	Goal	Feature Name	Est. Size	Est. Remaining	Real Size	Real Remaining
			Scrape AVM upload date	3		3	
			AVM scraping module integration with core	1		1	



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Sprint	Theme	Goal	Feature Name	Est. Size	Est. Remaining	Real Size	Real Remaining
Release	Final						
No sprints	14						
Due Date	08.02.2023						
	Total			213		68	
Sprints							
3	Reasearch Firmwares	Download Firmware		15	213	15	213
4	Project Structure	Schema and core structure		18	198	16	198
5	First vendor modules	Integrate vendor specific modules		8	180	9	182
6	Database refinement	Modifying database and vendor modules integration		8	172	8	173
7	Test suite	Add code checks and module tests		19	164	20	165
8	Logger improvement and code checks implementation	Improving logger, vendor modules and dockerizing the application		21	145	0	145
9	Vendor modules refined and bug fixed	Refinement of the vendor modules and fixing bugs		20	124		145
10	Quick installation and vendor modules refinement	Quick shell instalation, modules refinement, and unit test implementation		22	104		145
11	Vendor modules refinement	More vendor modules analized and implemented		21	82		145
12	Vendor modules continued	More vendor modules analized and implemented		21	61		145
13	Vendor modules refinement	More vendor modules analized and implemented		19	40		145
14	Refactoring and bug fixes	Code cleaning		21	21		145
Features							
3	Reasearch Firmwares	Download Firmware					
			Download Firmware - Zyxel	3		3	
			Download Firmware - AVM	3		3	
			Download Firmware - Schneider	3		3	
			Download Firmware - Synology	3		3	
			Download Firmware - Asus	3		3	
4	Project Structure	Schema and core structure					
			Create schema for SQL DB	5		5	

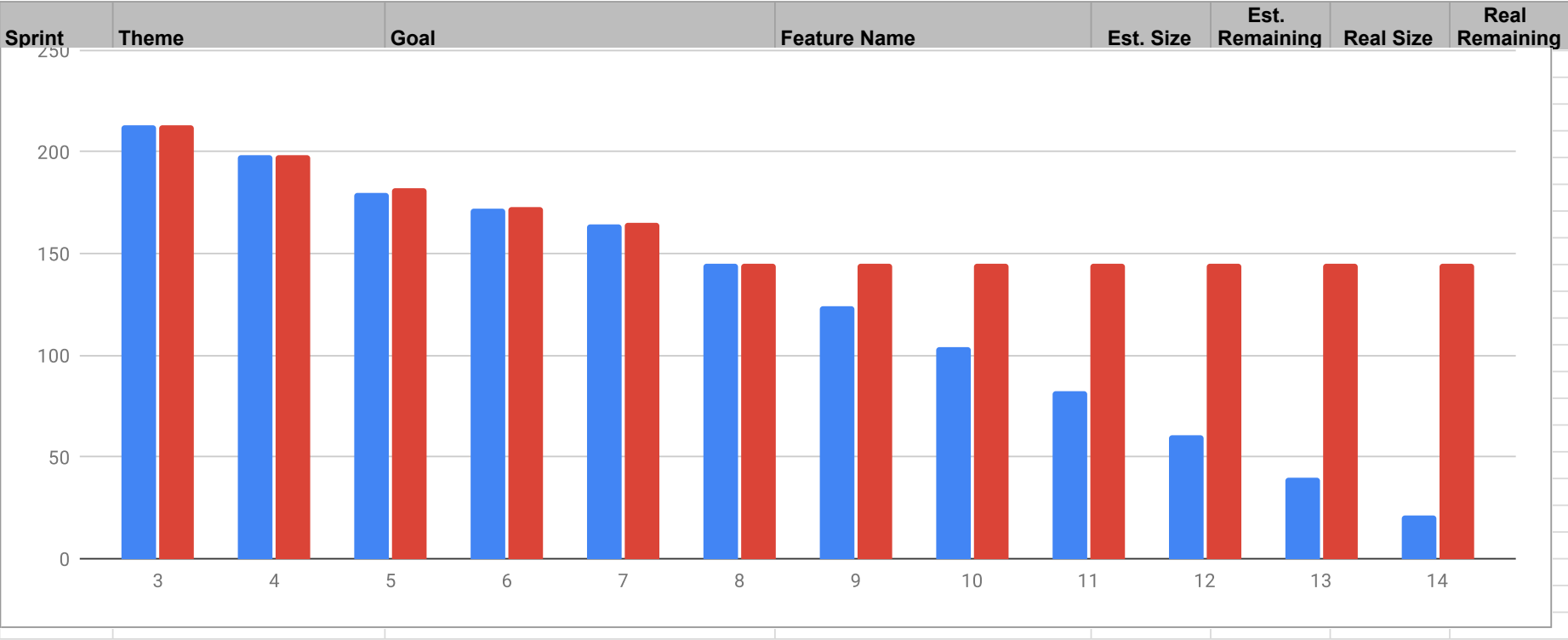
Sprint	Theme	Goal	Feature Name	Est. Size	Est. Remaining	Real Size	Real Remaining
			Create MySQL Database	2		2	
			Create core structure	5		3	
			Scheduler	3		3	
			Saving Meta data to mySQL	3		3	
5	First vendor modules	Integrate vendor specific modules					
			Schneider scraping module integration with core	3		3	
			Refinement of AVM vendor module	3		3	
			Logger - concept	2		3	
6	Database refinement	Modifying database and vendor modules integration					
			Mapping the downloaded vendor meta data to the mySQL schema	2		2	
			Template vendor modules structure	2		2	
			Scrape AVM upload date	3		3	
			AVM scraping module integration with core	1		1	
7	Test suite	Add code checks and module tests					
			Implement unit test for Schneider	3		3	
			Implement unit test for AVM	3		2	
			Analyzing and drafting Honeywell module	3		3	
			Synology scraping module integration with core	3		3	
			Refinement core (logger)	1		3	
			Analyzing and drafting Rockwell module	3		3	
			Analyzing and drafting Trendnet module	3		3	
8	Logger improvement and code checks implementation	Improving logger, vendor modules and dockerizing the application					
			Storing log-ins	1			
			Make logger more dynamic	1			
			Analyzing and Drafting Gigaset Vendor Module	3			
			Implement tools for code check	3			

Sprint	Theme	Goal	Feature Name	Est. Size	Est. Remaining	Real Size	Real Remaining
			Analyzing and drafting Foscam Module	3			
			Dockerise the application	5			
			Extend DB schema	1			
			Improve Rockwell Module	3			
			Accessing Schneider Global website	1			
9	Vendor modules refined and bug fixed	Refinement of the vendor modules and fixing bugs					
			ABB scraper code merge	3			
			Zyxel scraping module integration with core	3			
			Bug Fix Logger	1			
			Error handling in the vendor module	3			
			ABB - Bug fix	1			
			User logger module instead of logger module	3			
			Website being scraped is pushed to the background	3			
			Trendnet Vendor refactoring	3			
10	Quick installation and vendor modules refinement	Quick shell instalation, modules refinement, and unit test implementation					
			Fix module imports	2			
			Quick installation Shell script	3			
			Honeywell Firmware download Refactoring	2			
			Adapt Synology to german website scraping	3			
			Implement unit test for Zyxel	2			
			Implement unit test for Synology	2			
			Analyzing and drafting Cisco modul	3			
			Rockwell integration into the code	5			
11	Vendor modules refinement	More vendor modules analized and implemented					
			GE integration into the code	5			

Sprint	Theme	Goal	Feature Name	Est. Size	Est. Remaining	Real Size	Real Remaining
			Analyzing and drafting GE module	3			
			Trendnet integration into the code	5			
			Analyzing and drafting Linksys module	3			
			Honeywell integration into the code	5			
12	Vendor modules continued	More vendor modules analized and implemented					
			Analyzing and drafting Engenius module	3			
			Cisco integration into the code	5			
			Linksys integration into the code	5			
			Asus integration into the code	5			
			Analyzing and drafting Qnap module	3			
13	Vendor modules refinement	More vendor modules analized and implemented					
			Making changes to the database	3			
			Qnap integration into the code	3			
			Multi-threading of core module	5			
			Engenius integration into the code	5			
			Vendor module refinement	3			
14	Refactoring and bug fixes	Code cleaning					
			Vendor modules refinement	5			
			Honeypot traps avoider	3			
			Refactoring	5			
			Engenius integration into the code	5			
			Bug fixes	3			

Final project burn down

■ Est. Remaining ■ Real Remaining



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