
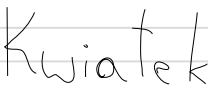

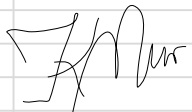


<b>Project Name</b>	Firmware Scraper
<b>Online team meeting</b>	<a href="https://rwth.zoom.us/j/96055295674?pwd=end6NDA1dWxQVzFzVU5yaGd1TkNHZz09">https://rwth.zoom.us/j/96055295674?pwd=end6NDA1dWxQVzFzVU5yaGd1TkNHZz09</a> (Meeting-ID: 960 5529 5674 , Kenncode: 888598)
<b>Production system (if any)</b>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

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May	Maximilian	elgustov	maximilian.may@fau.de

#	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

<b>Goals</b>	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
<b>Meeting norms</b>	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
<b>Working norms</b>	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
<b>Coordination norms</b>	Let others know upfront if encountering any problems, need help, can't attend a meeting via whatsapp group; read emails and messages
<b>Communication norms</b>	Camera on, let people finish their sentences, write stand up emails regularly, communicate problems openly, be nice :)
<b>Consideration norms</b>	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
<b>Cont. improvement norms</b>	We jointly review the happiness index in every team meeting
<b>Rewards</b>	Applause
<b>Sanctions</b>	Sad smileys on zoom :(
	
	<b>Anna-Maria Sandrini</b>
	
	<b>Anna Kwiatek</b>
	
	<b>Lucy Pagel</b>
	
	<b>Kiri Murschel</b>

	
	<b>Oliver Strauch</b>
	
	<b>Leon Schäffer</b>
	
	<b>Elias Pichottka</b>
	
	<b>Maximilian May</b>
	
	<b>Deepakraj Krishna Kundar</b>

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>

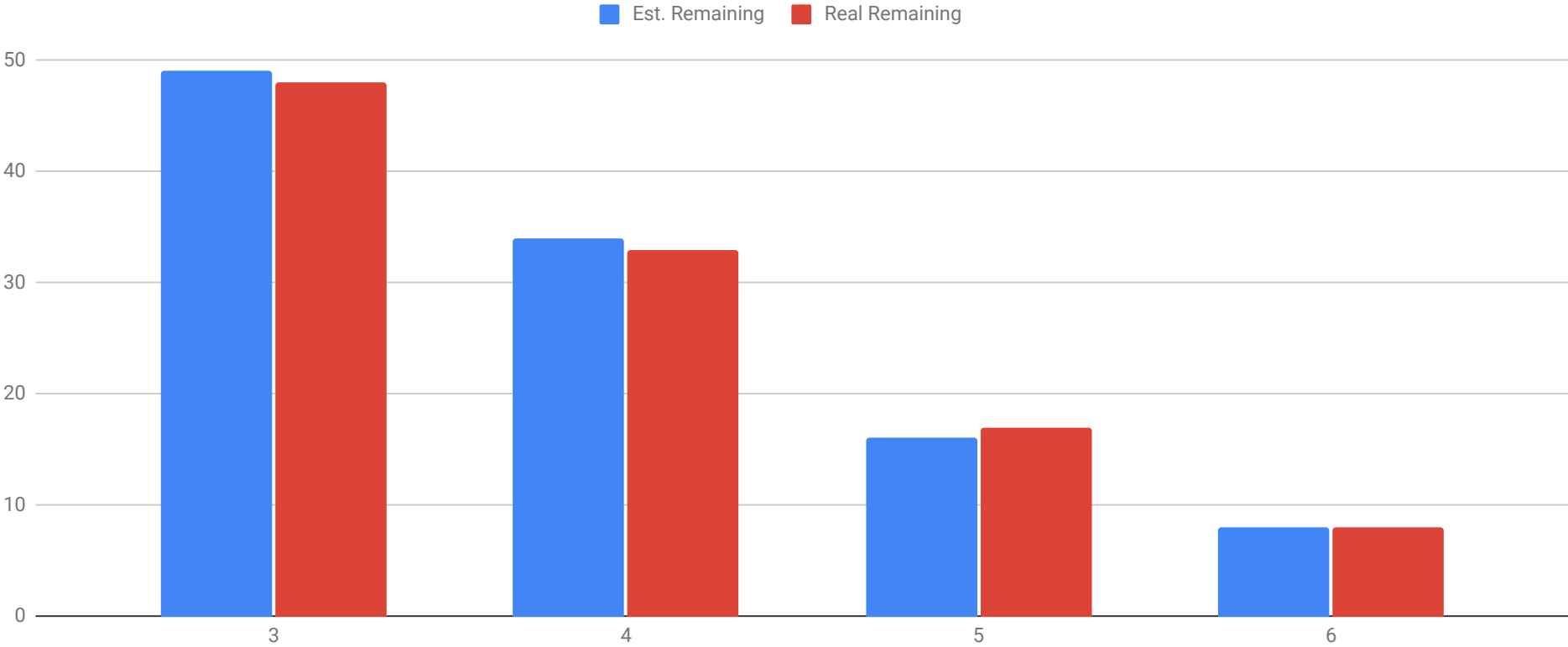
Term	Definition
Scraper	Application that downloads the firmware's information and its metadata.
Docker	Docker consists of Container 1 with Scraper and Container 2 with MySQL Database
Logger	Module that handles log messages: debug, info, important, warning, error
Scheduler	Module that schedules download of the specific firmware

Sprint	Theme	Goal	Feature Name	Est. Size	Est. Remaining	Real Size	Real Remaining
<b>Release</b>	Mid-term						
No sprints	6						
Due Date	30.11.2022			49		48	
<b>Sprints</b>							
3	<b>Reasearch Firmwares</b>	Download Firmware		15	49	15	48
4	<b>Project Structure</b>	Schema and core structure		18	34	16	33
5	<b>First vendor modules</b>	Integrate vendor specific modules		8	16	9	17
6	<b>Database refinement</b>	Modifying database and vendor modules integration		8	8	8	8
<b>Features</b>							
<b>3</b>	<b>Reasearch Firmwares</b>	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	
<b>4</b>	<b>Project Structure</b>	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	
<b>5</b>	<b>First vendor modules</b>	Integrate vendor specific modules					
			Schneider scraping module integration with core	3		3	
			Refinement of AVM vendor module	3		3	
			Logger - concept	2		3	



Sprint	Theme	Goal	Feature Name	Est. Size	Est. Remaining	Real Size	Real Remaining
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	

Mid-project burn down



Sprint	Theme	Goal	Feature Name	Est. Size	Est. Remaining	Real Size	Real Remaining

#	Feature Definition of Done	Sprint Release Definition of Done	Project Release Definition of Done
	All the acceptance criteria have been met	At least 1 fully implemented feature	The chosen features are fully implemented in the code
	The code has been merged with the main one	There are no major bugs	The features are running without crashing
	The documentation and Bill of Materials have been updated	Successful vendor module test	Feature test coverage >= 50%
	The code is complete and uploaded in GitHub		User documentation is available
	Functionality has been reviewed		Developer documentation is available
			Installation script is available

Sprint	Theme	Goal	Feature Name	Est. Size	Est. Remaining	Real Size	Real Remaining
<b>Release</b>	Final						
No sprints	14						
Due Date	08.02.2023						
	<b>Total</b>			222		187	
<b>Sprints</b>							
3	<b>Reasearch Firmwares</b>	Download Firmware		15	222	15	187
4	<b>Project Structure</b>	Schema and core structure		18	207	16	172
5	<b>First vendor modules</b>	Integrate vendor specific modules		8	189	9	156
6	<b>Database refinement</b>	Modifying database and vendor modules integration		8	181	8	147
7	<b>Test suite</b>	Add code checks and module tests		19	173	20	139
8	<b>Logger improvement and code checks implementation</b>	Improving logger, vendor modules and dockerizing the application		32	154	32	119
9	<b>Vendor modules refined</b>	Refinement and refactoring of the vendor modules		15	122	16	87
11	<b>Quick installation and vendor modules integration</b>	Quick shell instalation, modules integration, and DB schema extension		37	107	28	71
12	<b>Vendor modules refinement and bug fixes</b>	Vendor modules refinement, bug fixes, consolidations		31	70	31	43
13	<b>Vendor modules continued</b>	More vendor modules analized and implemented		12	39	12	12
14	<b>Vendor modules refinement</b>	More vendor modules analized and implemented		27	27	0	0
<b>Features</b>							
<b>3</b>	<b>Reasearch Firmwares</b>	Download Firmware					
			Download Firmware - Zyxel	3		3	
			Download Firmware - AVM	3		3	
			Download Firmware - Schneider	3		3	
			Download Firmware - Synology	3		3	

Sprint	Theme	Goal	Feature Name	Est. Size	Est. Remaining	Real Size	Real Remaining
			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	
			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	

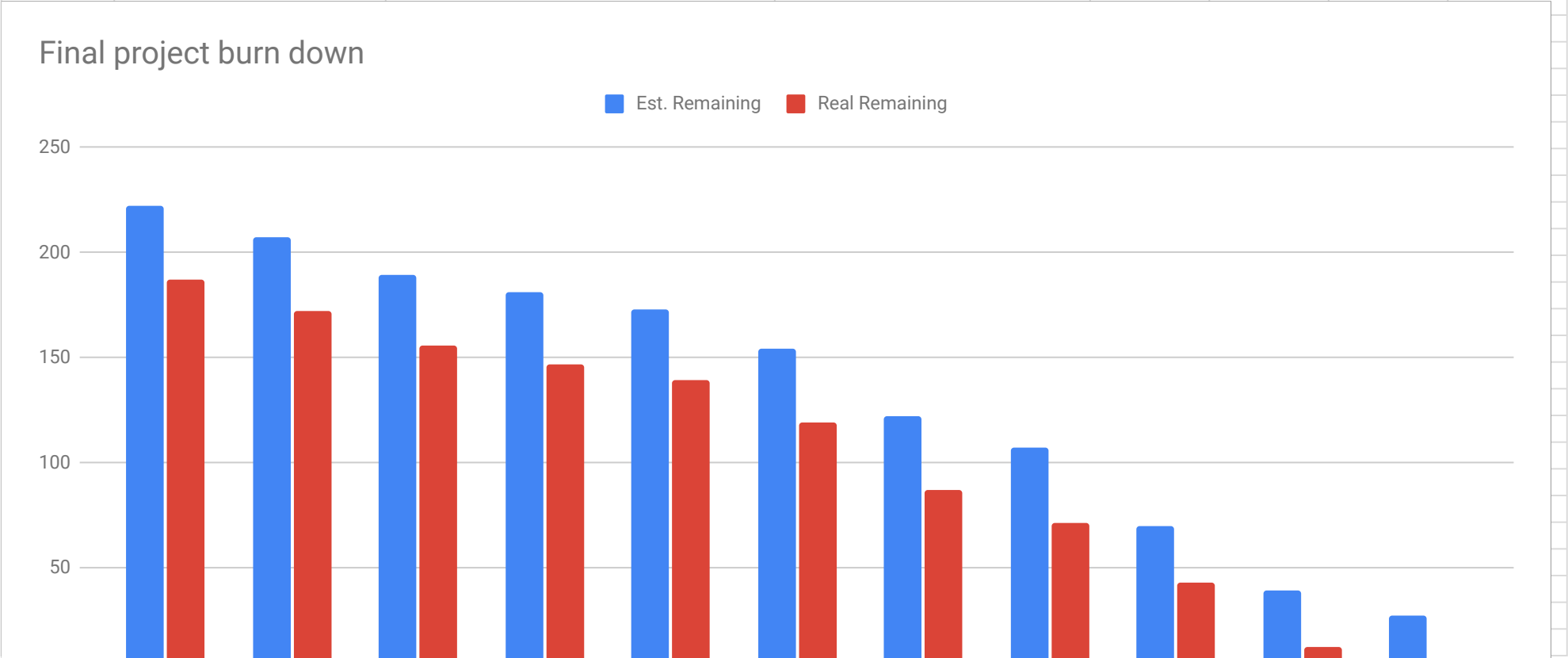
Sprint	Theme	Goal	Feature Name	Est. Size	Est. Remaining	Real Size	Real Remaining
			Analyzing and drafting Rockwell module	3		3	
			Analyzing and drafting Trendnet module	3		3	
8	<b>Logger improvement and code checks implementation</b>	Improving logger, vendor modules and dockerizing the application					
			Storing log-ins	1		1	
			Make logger more dynamic	1		1	
			Analyzing and Drafting Gigaset Vendor Module	3		3	
			Implement tools for code check	3		3	
			ABB - Bug fix	1		1	
			Analyzing and drafting Foscam Module	3		3	
			Dockerise the application	5		5	
			Analyzing and drafting Tp-Link module	3		3	
			Improve Rockwell Module	3		3	
			Zyxel scraping module integration with core	3		3	
			Accessing Schneider Global website	1		2	
			Fix module imports	2		2	
			Website being scraped is pushed to the background	3		2	
9	<b>Vendor modules refined</b>	Refinement and refactoring of the vendor modules					
			ABB scraper code merge	3		3	
			Tp-Link integration into the code	2		2	
			Analyzing and drafting Swisscom modul	3		3	
			Swisscom integration into the code	2		2	
			Trendnet Vendor refactoring	2		3	

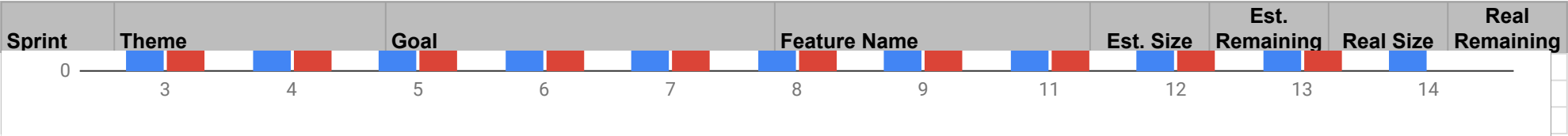
Sprint	Theme	Goal	Feature Name	Est. Size	Est. Remaining	Real Size	Real Remaining
			Rockwell integration into the code	3		3	
11	<b>Quick installation and vendor modules integration</b>	Quick shell instalation, modules integration, and DB schema extension					
			Extend DB schema	2		2	
			Gigaset Integration into the Code	3		3	
			Analyzing and drafting dd-wrt module	3		3	
			Analyzing and drafting Linksys module	3		3	
			dd-wrt integration into the code	2		1	
			Implement unit test for Zyxel	2		1	
			Trendnet integration into the code with unit tests	3		3	
			Engenius integration into the code	3		3	
			Dlink integration into the code	3		2	
			Analyzing and drafting Dlink module	3		2	
			Analyzing and drafting Engenius module	3		1	
			Quick installation Shell script	3		2	
			Adapt the core to call download functions in the vendor module if needed	3		1	
			Bug Fix Logger	1		1	
12	<b>Vendor modules refinement and bug fixes</b>	Vendor modules refinement, bug fixes, consolidations					
			Merge Docker branch into Main branch	3		3	
			Analyzing and drafting NetGear module	3		2	

Sprint	Theme	Goal	Feature Name	Est. Size	Est. Remaining	Real Size	Real Remaining
			NetGear integration into the code	3		3	
			Implement unit test for Synology	1		1	
			Consolidate Log Messages	2		3	
			DB connector module extension to dd-wrt	2		2	
			Qnap integration into the code	3		3	
			D-link bug fix	1		1	
			Analyzing and drafting Belkin module	3		3	
			Belkin integration into the code	3		3	
			Switch Scheduler file from Excel to CSV	1		1	
			Foscam integration into the code	3		3	
			Linksys integration into the code	3		3	
13	<b>Vendor modules continued</b>	More vendor modules analyzed and implemented					
			Consolidate Vendors init dunder function	2		2	
			Shell script - requirement path	1		1	
			Clean requirements.txt	1		1	
			Improve Logger	2		2	
			Shell script - environment checks	3		3	
			Make the scraper crashproof	3		3	
14	<b>Vendor modules refinement</b>	More vendor modules analyzed and implemented					
			Try the scraper and the firmware downloads on the server	3			
			Shell script extension	3			
			Run every vendor without max_products limit	2			
			Download every firmware on the server once	3			



Sprint	Theme	Goal	Feature Name	Est. Size	Est. Remaining	Real Size	Real Remaining
			Check download links for all vendors	3			
			Update Documentation / Github Wiki / Installation / Create new Vendors	3			
			Code refactoring for pylint and bandit	5			
			Common log messages in vendor modules	5			





Type	Link / reference
Design Documentation	<a href="https://github.com/amosproj/amos2022ws01-firmware-scrapers/wiki/Technical-design-documentation">https://github.com/amosproj/amos2022ws01-firmware-scrapers/wiki/Technical-design-documentation</a>
Build Documentation	<a href="https://github.com/amosproj/amos2022ws01-firmware-scrapers/wiki/Building-the-application">https://github.com/amosproj/amos2022ws01-firmware-scrapers/wiki/Building-the-application</a>
User Documentation	<a href="https://github.com/amosproj/amos2022ws01-firmware-scrapers/wiki/User-Documentation">https://github.com/amosproj/amos2022ws01-firmware-scrapers/wiki/User-Documentation</a>

[illegible]

Last Name	First Name						
Kwiatek	Anna			5.00	OK		
Pagel	Lucy	5					
Sandrini	Anna-Maria						
Schäffer	Leon	5					
Murschel	Kiril	5		0	No size		
Kundar	Deepakraj Krishna			1	Trivial size		
Strauch	Oliver	5		2	Small size		
May	Maximilian	5		3	Medium size		
				5	Large size		
				8	Very large size		
				13	Too large (size)		