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	

Last Name	First Name	GitHub User Name	Email Address
Kwiatek	Anna	IceFlovver	anna.kwiatek@fau.de
Pagel	Lucy	scherzgefaess	lucy.v.pagel@campus.tu-berlin.de
Sandrini	Anna-Maria	A-Sandrini	anna-maria.sandrini@fau.de
Schäffer	Leon	leshl	I.schaeffer@campus.tu-berlin.de
Murschel	Kiril	kirilzilla	murschel@campus.tu-berlin.de
Kundar	Deepakraj Krishna	Deepakraj8055	deepakraj8055@gmail.com
Strauch	Oliver	oliver99str	oliver.strauch@campus.tu-berlin.de
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	Anna	Anna-Maria	
9	2022-12-14	Anna, Deepak	Oliver, Kiril, Leon, Lucy, Max	Deepak	Anna-Maria	
10	2023-01-11	Anna, Deepak	Oliver, Kiril, Leon, Lucy, Max	Lucy	Anna-Maria	
11	2023-01-18	Anna, Deepak	Oliver, Kiril, Leon, Lucy, Max	Oliver	Anna-Maria	
12	2023-01-25	Anna, Deepak	Oliver, Kiril, Leon, Lucy, Max	Kiril	Anna-Maria	
13	2023-02-01	Anna, Deepak	Oliver, Kiril, Leon, Lucy, Max	Leon	Anna-Maria	
14	2023-02-08	Anna, Deepak	Oliver, Kiril, Leon, Lucy, Max	Max	Anna-Maria	Demo day!
15	2023-02-15	Anna, Deepak	Oliver, Kiril, Leon, Lucy, Max	Anna	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
	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 norms	meeting
Working norms	Try to write clean code, be considerate about commits when pairing, everyone should agree before releasing
Working norms	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
Octumation norms	Let others know aphronen encountering any problems, need neith, carre 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 :(
Sanctions	Sad Sillieys on 20011 .(
	Anna-Maria Sandrini
	Kujalek
	Anna Kwiatek
	J. 1990
	Lucy Pagel
	1 / I / I / I / I / I / I / I / I / I /
	Kiril Murschel
	Oliver Strauch

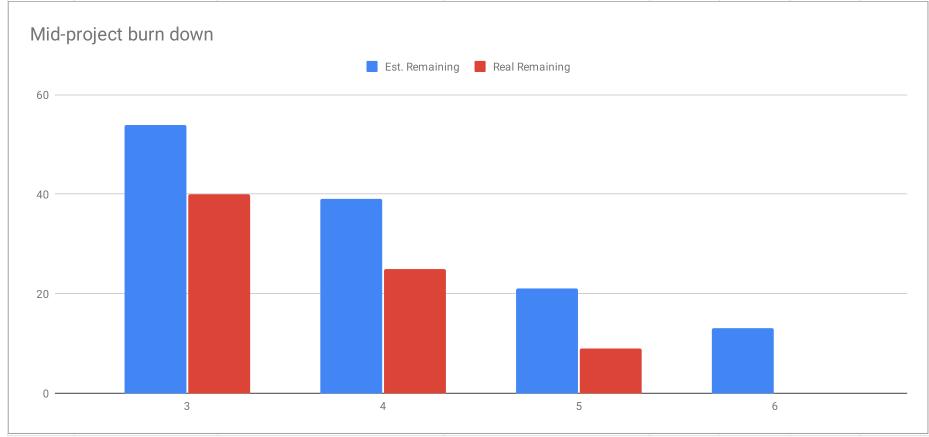
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Leon Schäffer
E. Bilate
Elias Pichottka
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Maximilian May
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Deepakraj Krishna Kundar

Product Vision Projection	oject Mission
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.  differ funct data Over	e mission of this project is to create a software for downloading firmware from erent vendors and storing their meta data in MySQL database. The main ctionality will be scheduled searching for firmware, checking for presence in the a base, downloading the updated ones and storing the meta data in the data base. erall, ensuring that the information in the data base is up to date and readily ailable for further analysis.

Term	Definition

Sprint	Theme	Goal	Feature Name	Est. Size	Est. Remaining	Real Size	Real Remaining
Release	Mid-term						
No sprints	6						
Due Date	30.11.2022			54		40	
Sprints							
3	Reasearch Firmwares	Download Firmware		15	54	15	40
						16	
4	Project Structure	Schema and core structure		18	39		
5	First vendor modules	Integrate vendor specific modules		8	21	9	9
	Database refinement	Modifying database and vendor modules		40	40	0	
6	Database refinement	integration		13	13	U	0
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 downloded vendor meta data to the mySQL schema	2			
			Making changes to the database	5			

Sprint	Theme	Goal	Feature Name	Est. Size	Est. Remaining	Real Size	Real Remaining
			Template vendor modules structure	2			
			Scrape AVM upload date	3			
			AVM scraping module integration with core	1			



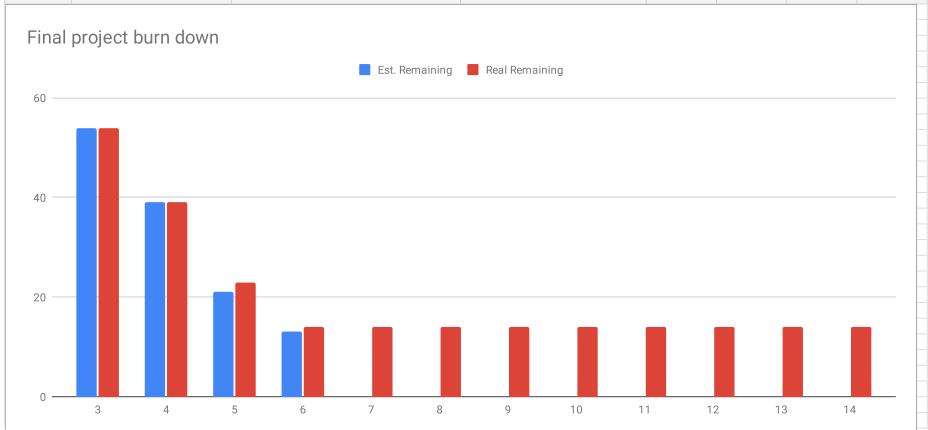
#	Feature Definition of Done	Sprint Release Definition of Done	Project Release Definition of Done
	All the acceptance criteria have been met	At least 1 fully implemented feature	The chosen features are fully implemented in the code
	The code has been merged with the main one	There are no major bugs	The 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
	The tests to ensure the feature is working have been created		Installation script is available

Sprint	Theme	Goal	Feature Name	Est. Size	Est. Remaining	Real Size	Real Remaining
Dili	F'I						
Release	Final						
No sprints	14						
Due Date	08.02.2023						
	Total			54		40	
Sprints							
3	Reasearch Firmwares	Download Firmware		15		15	54
4	Project Structure	Schema and core structure		18		16	39
5	First vendor modules	Integrate vendor specific modules		8	21	9	23
6	Database refinement	Modifying database and vendor modules integration		13	13	0	14
7	Test suite	Add code checks and module tests			0		14
8	Vendor modules continued	More vendor modules analized and implemented			0		14
9	Vendor modules continued	More vendor modules analized and implemented			0		14
10	Vendor modules continued	More vendor modules analized and implemented			0		14
11	Vendor modules refinement	Vendor modules refinement			0		14
12	Adding EMBARK	Analyzing EMBARK impementation			0		14
13	EMBARK integration refinement	EMBARK integration			0		14
14	Refactoring and bug fixes	Code cleaning			0		14
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	

Sprint	Theme	Goal	Feature Name	Est. Size	Est. Remaining	Real Size	Real Remaining
			Scheduler	3		3	
			Saving Meta data to mySQL	3		3	
5	First vendor modules	Integrate vendor specific modules					
	That vehicle 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 downloded vendor meta data to the mySQL schema	2			
			Making changes to the database	5			
			Template vendor modules structure	2			
			Scrape AVM upload date	3			
			AVM scraping module integration with core	1			
7	Test suite	Add code checks and module tests					
			Implement tools for code check				
			Decide on test suite and implement (pytest vs unittest)				
			Adapt Synology to german website scraping				
			Schneiders electronics multiple				
			download link into many objects				
			Write Docker file				
8	Vendor modules continued	More vendor modules analized and implemented					
			Analyzing and drafting GE module				
			Analyzing and drafting Honeywell module				
			Analyzing and drafting Rockwell module				
			Analyzing and drafting Cisco modul				
			Analyzing and drafting Linksys module				

Sprint	Theme	Goal	Feature Name	Est. Size	Est. Remaining	Real Size	Real Remaining
0	Vendor modules continued	More vendor modules analized and					
9	continued	implemented	CE integration into the code				
			GE integration into the code  Honeywell integration into the				
			code				
			Rockwell integration into the code				
			Cisco integration into the code				
			Linksys integration into the code				
10	Vendor modules continued	More vendor modules analized and implemented					
			Analyzing and drafting Qnap module				
			Analyzing and drafting Trendnet module				
			Analyzing and drafting Engenius module				
			Analyzing and drafting Dlink module				
			Analyzing and drafting Netgear module				
	Vander medules						
11	Vendor modules refinement	Vendor modules refinement					
			Qnap integration into the code				
			Trendnet integration into the code				
			Engenius integration into the code				
			Dlink integration into the code				
			Netgear integration into the code				
12	Adding EMPARK	Analyzing EMPARK impomentation					
12	Adding EMBARK	Analyzing EMBARK impementation	EMBARK integration analysis and draft				
			Analyzing and drafting OpenWRT module				
			Analyzing and drafting Gigaset module				

Sprint	Theme	Goal	Feature Name	Est. Size	Est. Remaining	Real Size	Real Remaining
13	EMBARK integration refinement	EMBARK integration					
			EMABRK integration into the code				
			OpenWRT integration into the code				
			Gigaset integration into the code				
14	Refactoring and bug fixes	Code cleaning					
			Vendor modules refinement				
			Honeypot traps avoider				
			Refactoring				
			Bug fixes				



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

Туре	Link / reference

#	Context	Name	Version	License	Comment
1	Browser Automation	Selenium	4.5	Apache-2.0	
2	Database	MySQL	8	GPLv2	
3	os	Docker	20.1	Apache-2.0	
4	Testing	pytest	7.2	MIT License	
5	Linting	pylint	2.15.5	GPLv2	
6	OS	Ubuntu:jammy	22.04	GPLv2	some packages may have different licensing

Last Name	First Name	Value			
Kwiatek	Anna				
Pagel	Lucy	2	2.00	OK	
Sandrini	Anna-Maria			<b>O</b>	
Schäffer	Leon	2			
Murschel	Kiril	2	0	No size	
Kundar	Deepakraj Krishna		1	Trivial size	
Strauch	Oliver	2	2	Small size	
May	Maximilian	2	3	Medium size	
			5	Large size	
			8	Very large size	
			13	Too large (size)	