

Project Name	Xcelerator Demo App
Online team meeting	https://fau.zoom-x.de/j/68734239815
Production system (if any)	TBD
Test system (if any)	TBD
GitHub repository	https://github.com/amosproj/amos2024ss01-xcelerator-demo-app
GitHub feature board	https://github.com/orgs/amosproj/projects/43/views/2
GitHub impediments backlog	
Male Team T-shirt (white)	https://www.shirtinator.de/s/ZyMdmUG5TpCQTKgMQLhArQ
Male Team T-shirt (black)	https://www.shirtinator.de/s/Gpdz8lxTT7-4qgmoQZBK5w
Female Team T-shirt (white)	https://www.shirtinator.de/s/rfxFIAIxTlebR-mo-t182g
Female Team T-shirt (black)	https://www.shirtinator.de/s/tBsO50F8STmiLdLYU9WCCQ
Additional materials	/
Team mailing list	oss-amos-proj1@lists.fau.de

Last Name	First Name	GitHub User Name	Email Address
Lorenz	Alexander	Hydraneut	alex.lorenz.1@gmx.de
Rajjo	Lama	lamara11	lama.l.rajjo@fau.de
Sternberg	Ingo	IngoSternberg	ingo.sternberg@fau.de
Betancourt Barrita	Cecilia	ceciliabetb	cecilia.betancourt@fau.de
Heisterberg	Jonas	Persists	jonas@mennicke.com
Krug	Maximilian	HaruspexSan	krugm03@gmail.com
Nasir	Shahraz	shahraz1998	nasirsharaz@gmail.com
Schmidt	Patrick	PatrickSchm1dt	patrick.m.schmidt@fau.de
Bojanić	Saša	Sabo2k	saleb2k@gmail.com
Schmidt	David	KonsumGandalf	d.schmidt@campus.tu-berlin.de / david_scl

#	Meeting Day	Product Owners	Software Developer	Release Manager	Scrum Master	Comment
1	2024-04-17	Lama Rajjo, Shahraz Nasir	Everyone else	N/A	Cecilia Betancourt Barrita	
2	2024-04-24	Lama Rajjo, Shahraz Nasir	Everyone else	TBD	Cecilia Betancourt Barrita	
3	2024-05-01	Lama Rajjo, Shahraz Nasir	Everyone else	TBD	Cecilia Betancourt Barrita	
4	2024-05-08	Lama Rajjo, Shahraz Nasir	Everyone else	Saša Bojanić	Cecilia Betancourt Barrita	
5	2024-05-15	Lama Rajjo, Shahraz Nasir	Everyone else	Jonas Heisterberg	Cecilia Betancourt Barrita	
6	2024-05-22	Lama Rajjo, Shahraz Nasir	Everyone else	Maximilian Krug	Cecilia Betancourt Barrita	
7	2024-05-29	Lama Rajjo, Shahraz Nasir	Everyone else	Alexander Lorenz	Cecilia Betancourt Barrita	Mid-term due
8	2024-06-05	Lama Rajjo, Shahraz Nasir	Everyone else	David Schmidt	Cecilia Betancourt Barrita	
9	2024-06-12	Lama Rajjo, Shahraz Nasir	Everyone else	Patrick Schmidt	Cecilia Betancourt Barrita	
10	2024-06-19	Lama Rajjo, Shahraz Nasir	Everyone else	Ingo Sternberg	Cecilia Betancourt Barrita	
11	2024-06-26	Lama Rajjo, Shahraz Nasir	Everyone else	Saša Bojanić	Cecilia Betancourt Barrita	
12	2024-07-03	Lama Rajjo, Shahraz Nasir	Everyone else	Alexander Lorenz	Cecilia Betancourt Barrita	
13	2024-07-10	Lama Rajjo, Shahraz Nasir	Everyone else	Maximilian Krug	Cecilia Betancourt Barrita	
14	2024-07-17	Lama Rajjo, Shahraz Nasir	Everyone else	Jonas Heisterberg	Cecilia Betancourt Barrita	Demo day!
15	2024-07-24	Lama Rajjo, Shahraz Nasir	Everyone else	David Schmidt	Cecilia Betancourt Barrita	Retrospective
Product owners, software developers, and Scrum Master are set and ideally don't change over time; the critical part is the Release Manager role you need to define here						

Goals	
	Fulfilling the requirements from the client
	Deliver a quality demo
	SMART principles
	Have fun
	Improve coding skills
Meeting norms	
	Punctuality
	Inform others of your absence or if you are late (WhatsApp)
	Openness
	Give feedback
	Active participation
	Meetings should have agendas
	Best practice is keeping the camera on; do what you want in call but do not interrupt the workflow
Working norms	
	Respect deadline
	Inform early to the team if you are struggling to complete a task
	Seek help or clarification
	Be efficient
	When doing flow charts use draw.io
Coordination norms	
	We use the StandUp-Emails
	Interact actively with the Industry partner during meetings
Communication norms	
	Honesty
	If there is any problem, communicate it on time
	Check discord at least Bi-daily
	Whatsapp: Used for small messages, stuff that does not need replis
	Discord for general communication: pair coding
	Zoom: team-Meetings and Partner Meetings
	Avoid side conversations & interruptions
Consideration norms	
	Patience
	Accept some level of knowledge gap
	Be aware of the differences
	Add roles - "Most kills" - most bugfixes, "Most assists" - most supportive for others, "Headhunter" - Solving most tickets
Cont. improvement norms	

	Be available to take up various kinds of tasks
	Learn from each other
	Keep in touch with the industry partner(We collect Questions via discord and ask them via E-Mail)
	After commit ad at least 2 developers for code review
Rewards	
	Recognition
	Achievements/Titles:
	Most-Assists: Most-Helpfull TeamMember
	Most-Kills: Most-Bug fixes
	HeadHunter: Most-Tasks-Cleared
Sanctions	
	After breach of contract you have to wear a silly tie to the next team-meeting
Signatures	
Scrum Master	Cecilia Betancourt Barrita
Product owner	Lama Rajjo
Product owner	Shahraz Nasir
Software developer	Alexander Lorenz
Software developer	Ingo Sternberg
Software developer	Jonas Heisterberg
Software developer	David Schmidt
Software developer	Patrick Schmidt
Software developer	Saša Bojanić
Software developer	Maximilian Krug

[illegible]

Term	Definition
IoT devices	Technologies that behave and adjust their status in a predefined manner based on live data
Facility	A location, typically a large building, having IoT devices installed
Faulty	Adjective describing a facility suffering from one or more device failures
Work order	A request for support, repairment, or maintenance regarding one or more device failures in a facility
Facility Manager	The person who needs/wants/can inspect the status a certain facility, and create work orders for the ones with device failures.
Case	A work order submitted for a facility suffering from one or more device failures.

Sprint #	Sprint goal
1	None
2	None
3	None
4	Frame application screens refinement
5	Backend optimizations and authentication
6	Integrating Backend and Frontend
7	System Refactoring and Error Handling
8	Connecting to Insights Hub APIs
9	Final UI Enhancements and Database Management
10	Testing and Pre-Deployment Preparations
11	State Management and User Login
12	Preparations for Demo Day and documentation
13	
14	
15	

Sprint	Goal	Feature Name	Est. Size	Est. Remaining	Real Size	Real Remaining
Release						
Total			136	136		
Sprints						
1	Research and team organization		0	136	0	136
2	Fundamental setup and definition of resources		18	136	27	136
3	Frame application screens skeleton		25	118	30	109
4	Frame application screens refinement		22	93	24	79
5	Backend optimizations and authentication		29	71	0	55
6	Integrating Backend and Frontend		42	42	0	55
Features						
1	Research and team organization					
		Design and upload team logo	-		-	
		Create T-shirt mockup	-		-	
		Research of fundamentals	-		-	
2	Fundamental setup and definition of resources					
		Software architecture document	5		5	
		Fill in the bill of materials	2		2	
		Github Pipelines	2		5	
		Nx Setup	3		5	
		Config based service implementation in Angular	3		5	
		Config service for NEST	3		5	
3	Frame application screens skeleton					
		Build process review	3		3	
		Automate release process	5		5	
		Frame Application Screen: Homepage (Facilities with errors)	3		5	
		Frame Application Screen: Facilities Overview	3		2	
		Navigation/Routing	3		5	
		Set up Tailwind	2		2	
		Setting up Prisma	3		3	
		Frame Application Screen: Order Form	3		5	
4	Frame application screens refinement					
		Automate the bill of materials	3		3	
		Frame Application Screen: Order Form	3		5	
		Frame Application Screen: Implement Details Page	5		5	
		Authentication: Login Page	5		5	
		Add Favicon in App	1		1	
		Deployment of the Application to a free Infrastructure	3		3	
		Switch from card view to event list view in the List all facilities page	2		2	
5	Backend optimizations and authentication					
		Define product vision	-		-	

Sprint	Goal	Feature Name	Est. Size	Est. Remaining	Real Size	Real Remaining
		Define product mission	-		-	
		Create Build Process Video	2		0	
		Rename "work orders" to "cases" throughout the application	2		0	
		Show selected facility on the right side of the work orders form page	3		0	
		Implement Work Order view	3		0	
		Back button for headers from details to facility overview	2		0	
		Implement Case CRUD operations	8		0	
		Implement Mock Server for IOT Timeseries API in NestJS	8		0	
		Make charts bigger in details page	1		0	
6	Integrating Backend and Frontend					
		Connect Frontend to Backend	8		0	
		Error handling in backend	5		0	
		Case Crud operations frontend	8		0	
		Display information box for facilities in details page	3		0	
		Make charts show multiple data in Y axis	3		0	
		Refactor headlines of webpages	3		0	
		Connect IoT service to local service	8		0	
		Description of the product on homepage, Fill about and legal information	2		0	
		Write user, (technical) design, and build/deploy documentation	2		0	

Sprint	Goal	Feature Name	Est. Size	Est. Remaining	Real Size	Real Remaining
Release						
Total			292	292		
Sprints						
1	Research and team organization		0	292	0	292
2	Fundamental setup and definition of resources		18	292	27	292
3	Frame application screens skeleton		25	274	30	265
4	Frame application screens refinement		22	249	24	235
5	Backend optimizations and authentication		29	227	29	211
6	Integrating Backend and Frontend		30	198	28	182
7	System Refactoring and Error Handling		23	168	27	154
8	Connecting to Insights Hub APIs		36	145	53	127
9	Final UI Enhancements and Database Management		24	109	28	74
10	Testing and Pre-Deployment Preparations		15	85	14	46
11	State Management and User Login		36	70	37	32
12	Preparations for Demo Day and documentation		34	34	0	-5
Features						
1	Research and team organization					
		Design and upload team logo	-		-	
		Create T-shirt mockup	-		-	
		Research of fundamentals	-		-	
2	Fundamental setup and definition of resources					
		Software architecture document	5		5	
		Fill in the bill of materials	2		2	
		Github Pipelines	2		5	
		Nx Setup	3		5	
		Config based service implementation in Angular	3		5	
		Config service for NEST	3		5	
3	Frame application screens skeleton					
		Build process review	3		3	
		Automate release process	5		5	
		Frame Application Screen: Homepage (Facilities with errors)	3		5	
		Frame Application Screen: Facilities Overview	3		2	
		Navigation/Routing	3		5	
		Set up Tailwind	2		2	
		Setting up Prisma	3		3	
		Frame Application Screen: Order Form	3		5	
4	Frame application screens refinement					
		Automate the bill of materials	3		3	
		Frame Application Screen: Order Form	3		5	
		Frame Application Screen: Implement Details Page	5		5	

Sprint	Goal	Feature Name	Est. Size	Est. Remaining	Real Size	Real Remaining
		Authentication: Login Page	5		5	
		Add Favicon in App	1		1	
		Deployment of the Application to a free Infrastructure	3		3	
		Switch from card view to event list view in the List all facilities page	2		2	
5	Backend optimizations and authentication					
		Define product vision	-		-	
		Define product mission	-		-	
		Create Build Process Video	2		2	
		Rename "work orders" to "cases" throughout the application	2		2	
		Show selected facility on the right side of the work orders form page	3		3	
		Implement Work Order view	3		3	
		Back button for headers from details to facility overview	2		1	
		Implement Case CRUD operations	8		8	
		Implement Mock Server for IOT Timeseries API in NestJS	8		8	
		Make charts bigger in details page	1		2	
6	Integrating Backend and Frontend					
		Connect Frontend to Backend	8		8	
		Display information box for facilities in details page	3		3	
		Make charts show multiple data in Y axis	3		3	
		Refactor headlines of webpages	3		3	
		Connect Siemens API to the IoT service	5		5	
		Maintenance of architecture overview	5		2	
		Signal handling workshop	1		1	
		Write user, (technical) design, and build/deploy documentation	2		3	
7	System Refactoring and Error Handling					
		Adjust data collected in the cases form	3		3	
		Support: Assist in BE and FE integration	1		1	
		Workshop: Database Seeding	1		2	
		Error handling in backend	5		3	
		Case CRUD Operations Frontend	8		13	
		Description of the product on homepage, Fill about and legal information	2		2	
		Cases Details Page	3		3	
8	Connecting to Insights Hub APIs					
		Workshop at siemens building	-		-	
		Prepare for Demo App presentation at siemens building	-		.	
		Connect IoT service to local service	8		13	
		Refactoring time series API	3		3	
		Update readme.md to provide entry point to the project	3		3	
		Show actual pump data on the charts in details page	3		3	
		Service-like feature for FE pages of facilities to BE	5		5	
		Content: Cases screen	3		8	
		Connect cases details page to backend	5		8	
		Validation of selection boxes in Orders form	3		5	
		Husky fix, Docker build	1		3	
		Integrate swagger open api	2		2	

Sprint	Goal	Feature Name	Est. Size	Est. Remaining	Real Size	Real Remaining
9	Final UI Enhancements and Database Management					
		Add troubleshooting section to the wiki	2		2	
		Label Components properly in Create Case Page with CSS	2		1	
		Add filter to facilities page and thus delete facilities with issues page	3		3	
		Failing Tests on develop	1		1	
		Seeding the database	1		1	
		Function implementation: manage and update pump state	5		8	
		Add filter options for the cases page	3		3	
		Set the attributes for the cases	2		1	
		Implement case update / delete	5		8	
10	Testing and Pre-Deployment Preparations					
		Refactor/ bug fix frontend	3		3	
		Refresh button on all pages	3		2	
		Provide feedback for Industry Partner on Siemens iX	2		2	
		Testing form submission/security	3		3	
		Navbar: homepage icon and link	1		1	
		Enable Theme switching	3		3	
11	State Management and User Login					
		Create demo day slide	-		-	
		Create demo day video	5		5	
		State Management in frontend	3		3	
		Connect cases to facility API	5		8	
		Improve order filter design/usability	5		5	
		Adjust facilities Information box	3		3	
		Streamline the create cases process	3		2	
		State Management Login	5		5	
		Refactor Case Details Page: Optimize and Reduce CSS Code	2		1	
		Add pump metrics inside facility details page	5		5	
12	Preparations for Demo Day and documentation					
		Finalize user, (technical) design, and build/deploy documentation	3		0	
		Refactor: Polish frontend code	3		0	
		Add EmptyState if there are no cases/facilities	2		0	
		Automatic Addition of 'Modified by' Field in Cases	2		0	
		Configuration offline/online mode	8		0	
		Write tests for frontend	3		0	
		Add cases of facility to Frontend	2		0	
		Adjust timestamps	3		0	
		IP Requirement: Blog Post for project experience	5		0	
		Rename Facilities and adjust mocked Cases	3		0	

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Type	Link / reference
Github-Wiki	https://github.com/amosproj/amos2024ss01-xcelerator-demo-app/wiki

#	Context	Name	Version	License	Comment
1	frontend	angular/animations	-17.3.0	MIT License	
2	frontend	angular/common	-17.3.0	MIT License	
3	frontend	angular/compiler	-17.3.0	MIT License	
4	frontend	angular/core	-17.3.0	MIT License	
5	frontend	angular/forms	-17.3.0	MIT License	
6	frontend	angular/platform-browser	-17.3.0	MIT License	
7	frontend	angular/platform-browser-dynamic	-17.3.0	MIT License	
8	frontend	angular/router	-17.3.0	MIT License	
9	frontend	laker-jf-helper	*8.4.1	MIT license	
10	frontend	nestjs/common	*10.0.2	MIT license	
11	frontend	nestjs/config	*3.2.2	MIT	
12	frontend	nestjs/core	*10.0.3	MIT license	
13	frontend	nestjs/platform-express	*10.0.2	MIT license	
14	frontend	nestjs/swagger	*7.3.1	MIT	
15	frontend	prisma/client	*5.13.0	Apache-2.0	
16	frontend	siemens/xs	*2.2.1	MIT	
17	frontend	siemens/xs-angular	*2.2.1	MIT licensed	Copyright © 2022 Siemens AG
18	frontend	siemens/xs-echarts	*2.2.0	MIT	
19	frontend	siemens/xs-icons	*2.1.0	MIT	
20	frontend	axios	*1.6.8	MIT License	Copyright (c) 2014-present Matt Zabrieke & Collaborators
21	frontend	class-transformer	*0.5.1	MIT	
22	frontend	class-validator	*0.14.1	MIT License	
23	frontend	datejs	*1.11.11	MIT	
24	frontend	dotenv	*16.4.5	BSD 2-Clause "Simplified" License	Copyright (c) 2015, Scott Motte
25	frontend	echarts	*5.5.0	Apache 2.0	
26	frontend	lodash	*4.17.21	MIT License	Copyright JS Foundation and other contributors <https://js.foundation/>
27	frontend	ng-echarts	*1172.0	MIT	
28	frontend	postgres	*3.4.4	The PostgreSQL Licence	https://opensource.org/licenses/postgresql
29	frontend	reflect-metadata	*0.1.13	Apache License 2.0	
30	frontend	rxjs	-7.8.0	Apache License 2.0	
31	frontend	ts-enums-utility	4.1.0	MIT License	
32	frontend	tslib	-2.6.2	BSD Zero Clause License	https://github.com/microsoft/tslib/blob/main/LICENSE.txt
33	frontend	zone.js	-0.14.3	MIT License	
34	devDependencies	angular-devkit/build-angular	-17.3.6	MIT License	
35	devDependencies	angular-devkit/core	-17.3.6	MIT License	
36	devDependencies	angular-devkit/schematics	-17.3.6	MIT License	
37	devDependencies	angular-eslint/eslint-plugin	-17.3.0	MIT License	
38	devDependencies	angular-eslint/eslint-plugin-template	-17.3.0	MIT License	
39	devDependencies	angular-eslint/template-parser	-17.3.0	MIT License	
40	devDependencies	angular/cli	-17.3.6	MIT License	
41	devDependencies	angular/compiler-cli	-17.3.6	MIT License	
42	devDependencies	angular/language-service	-17.3.6	MIT License	
43	devDependencies	commitlint	*18.3.0	MIT	
44	devDependencies	commitlint-config-conventional	*18.2.2	MIT	
45	devDependencies	commitlint-config-rx-scopes	*18.3.0	MIT	
46	devDependencies	eslint	*8.57.0	MIT	
47	devDependencies	eslint-scope	*4.0.3	MIT	
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93	devDependencies	eslint-scope	*4.0.3	MIT	
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95	devDependencies	eslint-scope	*4.0.3	MIT	
96	devDependencies	eslint-scope	*4.0.3	MIT	
97	devDependencies	eslint-scope	*4.0.3	MIT	
98	devDependencies	eslint-scope	*4.0.3	MIT	
99	devDependencies	eslint-scope	*4.0.3	MIT	

Last Name	First Name	Value					
#REF!	#REF!						
#REF!	#REF!						
Lorenz	Alexander	1		1.86	#DIV/0!		
Rajjo	Lama						
Sternberg	Ingo	1		0	No size		
Betancourt Barrita	Cecilia			1	Trivial size		
Heisterberg	Jonas	2		2	Small size		
Krug	Maximilian	2		3	Medium size		
Nasir	Shahraz			5	Large size		
Schmidt	Patrick	3		8	Very large size		
Schmidt	David	2		13	Too large (size)		
Bojanić	Saša	2					
How to play planning poker							
1. Everyone type their number into their value field, don't hit return yet							
2. Someone, perhaps a product owner, count down 3.. 2.. 1..							
3. Then, everyone hit return to submit their value							