

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

Last Name	First Name	GitHub User Name	Email Address
Lorenz	Alexander	Hydraneut	alex.lorenz.1@gmx.de
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Sternberg	Ingo	IngoSternberg	ingo.sternberg@fau.de
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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	Jonas Heisterberg	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	Alexander Lorenz	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						

<b>Goals</b>	
	Fulfilling the requirements from the client
	Deliver a quality demo
	SMART principles
	Have fun
	Improve coding skills
<b>Meeting norms</b>	
	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
<b>Working norms</b>	
	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 <a href="https://draw.io">draw.io</a>
<b>Coordination norms</b>	
	We use the StandUp-Emails
	Interact actively with the Industry partner during meetings
<b>Communication norms</b>	
	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
<b>Consideration norms</b>	
	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
<b>Cont. improvement norms</b>	

	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
<b>Rewards</b>	
	Recognition
	Achievements/Titles:
	Most-Assists: Most-Helpfull TeamMember
	Most-Kills: Most-Bug fixes
	HeadHunter: Most-Tasks-Cleared
<b>Sanctions</b>	
	After breach of contract you have to wear a silly tie to the next team-meeting
<b>Signatures</b>	
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

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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	Frontend/Backend refactoring
8	Connecting to Insights Hub APIs
9	
10	
11	
12	
13	
14	
15	



Sprint	Goal	Feature Name	Est. Size	Est. Remaining	Real Size	Real Remaining
<b>Release</b>						
<b>Total</b>			136	136		
<b>Sprints</b>						
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
<b>Features</b>						
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
<b>Release</b>						
<b>Total</b>			147	147		
<b>Sprints</b>						
1	Research and team organization		0	147	0	147
2	Fundamental setup and definition of resources		18	147	27	147
3	Frame application screens skeleton		25	129	30	120
4	Frame application screens refinement		22	104	24	90
5	Backend optimizations and authentication		29	82	29	66
6	Integrating Backend and Frontend		30	53	28	37
7	Frontend/Backend refactoring		23	23	27	9
8	Connecting to Insights Hub APIs		36	0	53	-18
9	Final UI optimizations		12	-36	0	-71
10	Pre-deployment testing		13	-48	0	-71
11	Deployment of the app on AWS		8	-61	0	-71
12	Preparations for Demo Day and documentation		9	-69	0	-71
<b>Features</b>						
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	Frontend/Backend refactoring					
		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 optimizations					
		Details page responsiveness	3		0	
		Facilities page responsiveness	3		0	
		Orders page responsiveness	3		0	
		Theme colors	3		0	
10	Pre-deployment testing					
		Write tests for backend	5		0	
		Improve error-handling for backend	5		0	
		Fallbacks for API calls	3		0	
11	Deployment of the app on AWS					
		Deploy on AWS (IP account)	5		0	
		Post-deployment Testing	3		0	
12	Preparations for Demo Day and documentation					
		Prepare demo day video	3		0	
		Prepare demo day slides	3		0	
		Finalize documentation	3		0	

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Type	Link / reference
Github-Wiki	<a href="https://github.com/amosproj/amos2024ss01-xcelerator-demo-app/wiki">https://github.com/amosproj/amos2024ss01-xcelerator-demo-app/wiki</a>

#	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	faker-faker	^4.1.1	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	^10.0.4	MIT License					
14	frontend	prisma/client	^5.13.0	Apache 2.0					
15	frontend	rxjs/angular	16.3.4	MIT License					
16	frontend	siemens/sx	^2.2.1	MIT					
17	frontend	siemens/sx-angular	^2.2.1	MIT License	Copyright © 2022 Siemens AG				
18	frontend	siemens/sx-echarts	^2.2.0	MIT					
19	frontend	siemens/sx-icons	^2.1.0	MIT					
20	frontend	axios	^1.6.8	MIT License	Copyright (c) 2014-present Matt Zabrieke & Collaborators				
21	frontend	class-validator	^0.14.1	MIT License					
22	frontend	dotenv	^16.4.0	BSD 2-Clause "Simplified" License	Copyright (c) 2015, Scott Motte				
23	frontend	echarts	^5.5.0	Apache-2.0					
24	frontend	lodash	^4.17.21	MIT License	Copyright JS Foundation and other contributors <https://js.foundation/>				
25	frontend	ngx-echarts	^11.2.0	MIT					
26	frontend	postgres	^13.4.4	The PostgreSQL Licence	<a href="https://opensource.org/licenses/postgresql">https://opensource.org/licenses/postgresql</a>				
27	frontend	prisma	^5.13.0	Apache License 2.0					
28	frontend	reflect-metadata	^0.1.13	Apache License 2.0					
29	frontend	rxjs	~7.8.0	Apache License 2.0					
30	frontend	ts-enum-uti	4.1.0	MIT License					
31	frontend	tslib	^2.3.0	BSD Zero Clause License	<a href="https://github.com/microsoft/tslib/blob/main/LICENSE.txt">https://github.com/microsoft/tslib/blob/main/LICENSE.txt</a>				
32	frontend	zone.js	~0.14.3	MIT License					
33	dev/Dependencies	angular-devkit/build-angular	~17.3.0	MIT License					
34	dev/Dependencies	angular-devkit/core	~17.3.0	MIT License					
35	dev/Dependencies	angular-devkit/schematics	~17.3.0	MIT License					
36	dev/Dependencies	angular-eslint/eslint-plugin	~17.3.0	MIT License					
37	dev/Dependencies	angular-eslint/eslint-plugin-template	~17.3.0	MIT License					
38	dev/Dependencies	angular-eslint/template-parser	~17.3.0	MIT License					
39	dev/Dependencies	angular/ci	~17.3.0	MIT License					
40	dev/Dependencies	angular/compiler-cli	~17.3.0	MIT License					
41	dev/Dependencies	angular/language-service	~17.3.0	MIT License					
42	dev/Dependencies	commitlint	^19.3.0	MIT					
43	dev/Dependencies	commitlint-config-conventional	^19.2.2	MIT					
44	dev/Dependencies	commitlint-config-nx-scopes	^19.3.0	MIT					
45	dev/Dependencies	nxjs/schematics	^16.0.1	MIT License					
46	dev/Dependencies	nxjs/testing	^10.3.8	MIT License					
47	dev/Dependencies	nxjs/devkit	18.3.4	MIT License					
48	dev/Dependencies	nxjs/eslint	18.3.4	MIT License					
49	dev/Dependencies	nxjs/eslint-plugin	18.3.4	MIT License					
50	dev/Dependencies	nxjs/jest	18.3.4	MIT License					
51	dev/Dependencies	nxjs/js	18.3.4	MIT License					
52	dev/Dependencies	nxjs/nest	18.3.4	MIT License					
53	dev/Dependencies	nxjs/node	18.3.4	MIT License					
54	dev/Dependencies	nxjs/playwright	18.3.4	MIT License					
55	dev/Dependencies	nxjs/plugin	^18.3.4	MIT					
56	dev/Dependencies	nxjs/web	18.3.4	MIT License					
57	dev/Dependencies	nxjs/webpack	18.3.4	MIT License					
58	dev/Dependencies	nxjs/workspaces	18.3.4	MIT License					
59	dev/Dependencies	playwright/test	^1.48.1	Apache License 2.0					
60	dev/Dependencies	schematics/angular	~17.3.6	MIT License					
61	dev/Dependencies	stylelint/eslint-plugin-js	^2.0.0	MIT					
62	dev/Dependencies	swc-node/register	~1.8.0	MIT License					
63	dev/Dependencies	swc/core	~1.5.0	Apache License 2.0					
64	dev/Dependencies	swc/helpers	~0.5.11	Apache License 2.0					
65	dev/Dependencies	types/jest	^29.5.12	MIT License					
66	dev/Dependencies	types/node	20.12.7	MIT License					
67	dev/Dependencies	typescript-eslint/eslint-plugin	^7.7.1	MIT License					
68	dev/Dependencies	typescript-eslint/parser	^7.7.1	TypeScript ESLint Parser	<a href="https://github.com/typescript-eslint/typescript-eslint/blob/main/LICENSE">https://github.com/typescript-eslint/typescript-eslint/blob/main/LICENSE</a>				
69	dev/Dependencies	eslint	8.56.0	MIT License	<a href="https://github.com/eslint/eslint/blob/main/LICENSE">https://github.com/eslint/eslint/blob/main/LICENSE</a>				
70	dev/Dependencies	eslint-config-stylelint	^21.0.0	MIT					
71	dev/Dependencies	eslint-plugin-playwright	^1.6.0	MIT License					
72	dev/Dependencies	eslint-config-prettier	9.1.0	MIT License					
73	dev/Dependencies	eslint-plugin-simple-import-sort	^12.1.0	MIT					
74	dev/Dependencies	eslint-plugin-unused-imports	^3.1.0	MIT					
75	dev/Dependencies	husky	^9.0.11	MIT					
76	dev/Dependencies	jest	^29.7.0	MIT License					
77	dev/Dependencies	jest-environment-jdom	^29.7.0	MIT License					
78	dev/Dependencies	jest-environment-node	^29.7.0	MIT License					
79	dev/Dependencies	jest-preset-angular	~14.0.3	MIT License					
80	dev/Dependencies	lint-staged	^15.2.2	MIT					
81	dev/Dependencies	nx	18.3.4	MIT License					
82	dev/Dependencies	prettier	^3.2.5	MIT License					
83	dev/Dependencies	prisma	^5.13.0	Apache-2.0					
84	dev/Dependencies	stylelint	^16.4.0	MIT					
85	dev/Dependencies	stylelint-config-recess-order	^5.0.1	ISC	<a href="https://en.wikipedia.org/wiki/ISC_license">https://en.wikipedia.org/wiki/ISC_license</a>				
86	dev/Dependencies	stylelint-config-standard	^36.0.0	MIT					
87	dev/Dependencies	stylelint-config-standard-scss	^13.1.0	MIT					
88	dev/Dependencies	tailwindcss	^3.4.3	MIT					
89	dev/Dependencies	ts-jest	^29.1.2	MIT License					
90	dev/Dependencies	ts-node	10.9.2	MIT License					
91	dev/Dependencies	typescript	~5.4.5	Apache License 2.0					
92	dev/Dependencies	webpack-cli	^5.1.4	MIT License					
93	Package/Manager	pnpm	8.15.1	MIT					

















Last Name	First Name	Value					
#REF!	#REF!						
#REF!	#REF!			5.14	NOK		
Lorenz	Alexander	3					
Rajjo	Lama						
Sternberg	Ingo	5		0	No size		
Betancourt Barrita	Cecilia			1	Trivial size		
Heisterberg	Jonas	8		2	Small size		
Krug	Maximilian	5		3	Medium size		
Nasir	Shahraz			5	Large size		
Schmidt	Patrick	5		8	Very large size		
Schmidt	David	5		13	Too large (size)		
Bojanić	Saša	5					
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							