

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
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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	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						

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

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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	
9	
10	
11	
12	
13	
14	
15	

Sprint	Goal	Feature Name	Est. Size	Est. Remaining	Real Size	Real Remaining
Release						
Total			140	140		
Sprints						
1	Research and team organization		0	140	0	140
2	Fundamental setup and definition of resources		18	140	27	140
3	Frame application screens skeleton		25	122	30	113
4	Frame application screens refinement		21	97	21	83
5	Backend optimizations and authentication		34	76	0	62
6	Integrating Backend and Frontend		42	42	0	62
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	
		Maintenance of architecture overview	5		5	
		Frame Application Screen: Implement Details Page	5		5	
		Authentication: Login Page	5		5	
		Add Favicon in App	1		1	
		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	-		-	

Sprint	Goal	Feature Name	Est. Size	Est. Remaining	Real Size	Real Remaining
		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	
		Connect Siemens API to the IoT service	5		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			169	169		
Sprints						
1	Research and team organization		0	169	0	169
2	Fundamental setup and definition of resources		18	169	27	169
3	Frame application screens skeleton		25	151	30	142
4	Frame application screens refinement		21	126	21	112
5	Backend optimizations and authentication		34	105	34	91
6	Integrating Backend and Frontend		42	71	0	57
7	Frontend/Backend refactoring		29	29	0	57
8	Connecting to Insights Hub APIs		10	0	0	57
9	Final UI optimizations		12	-10	0	57
10	Pre-deployment testing		13	-22	0	57
11	Deployment of the app on AWS		8	-35	0	57
12	Preparations for Demo Day and documentation		9	-43	0	57
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	
		Maintenance of architecture overview	5		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	
		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	
		Connect Siemens API to the IoT service	5		5	
		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		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	
7	Frontend/Backend refactoring					
		Connect details page to backend	5		0	
		Adjust timestamps	3		0	
		Validation of selection boxes in Orders form	3		0	
		User login using Github account via OIDC provider	5		0	
		Refactor Frontend	8		0	
		Write tests for frontend	5		0	
8	Connecting to Insights Hub APIs					
		Call to Timeserie API/Case API of Insights Hub	5		0	
		Use latest pulled data from Insight Hub in the Frontend	5		0	
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					

Sprint	Goal	Feature Name	Est. Size	Est. Remaining	Real Size	Real Remaining
		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	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-jfalter	^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	^10.0.4	MIT License				
14	frontend	prisma/client	^5.13.0	Apache 2.0				
15	frontend	rxjs/angular	16.3.4	MIT License				
16	frontend	siemens/xi	^2.2.1	MIT				
17	frontend	siemens/xi-angular	^2.2.1	MIT License	Copyright © 2022 Siemens AG			
18	frontend	siemens/xi-echarts	^2.2.0	MIT				
19	frontend	siemens/xi-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	https://opensource.org/licenses/postgresql			
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	zone.js	^2.3.0	BSD Zero Clause License	https://github.com/microsoft/tslib/blob/main/LICENSE.txt			
32	frontend	angular-devkit/build-angular	~17.3.0	MIT License				
33	devDependencies	angular-devkit/build-angular	~17.3.0	MIT License				
34	devDependencies	angular-devkit/core	~17.3.0	MIT License				
35	devDependencies	angular-devkit/schematics	~17.3.0	MIT License				
36	devDependencies	angular-eslint/eslint-plugin	~17.3.0	MIT License				
37	devDependencies	angular-eslint/eslint-plugin-template	~17.3.0	MIT License				
38	devDependencies	angular-eslint/template-parser	~17.3.0	MIT License				
39	devDependencies	angular/ci	~17.3.0	MIT License				
40	devDependencies	angular/compiler-cli	~17.3.0	MIT License				
41	devDependencies	angular/language-service	~17.3.0	MIT License				
42	devDependencies	commitlint	^19.3.0	MIT				
43	devDependencies	commitlint-config-conventional	^19.2.2	MIT				
44	devDependencies	commitlint-config-nx-scopes	^19.3.0	MIT				
45	devDependencies	nxjs/schematics	^16.0.1	MIT License				
46	devDependencies	nestjs/testing	^10.3.8	MIT License				
47	devDependencies	nx/devkit	18.3.4	MIT License				
48	devDependencies	nx/eslint	18.3.4	MIT License				
49	devDependencies	nx/eslint-plugin	18.3.4	MIT License				
50	devDependencies	nx/jest	18.3.4	MIT License				
51	devDependencies	nx/js	18.3.4	MIT License				
52	devDependencies	nx/nest	18.3.4	MIT License				
53	devDependencies	nx/node	18.3.4	MIT License				
54	devDependencies	nx/playwright	18.3.4	MIT License				
55	devDependencies	nx/plugin	^18.3.4	MIT				
56	devDependencies	nx/web	18.3.4	MIT License				
57	devDependencies	nx/webpack	18.3.4	MIT License				
58	devDependencies	nx/workspaces	18.3.4	MIT License				
59	devDependencies	playwright/test	^1.48.1	Apache License 2.0				
60	devDependencies	schematics/angular	~17.3.6	MIT License				
61	devDependencies	stylelint/eslint-plugin-js	^2.0.0	MIT				
62	devDependencies	swc-node/register	~1.8.0	MIT License				
63	devDependencies	swc/core	~1.5.0	Apache License 2.0				
64	devDependencies	swc/helpers	~0.5.11	Apache License 2.0				
65	devDependencies	types/jest	^29.5.12	MIT License				
66	devDependencies	typescript	20.12.7	MIT License				
67	devDependencies	typescript-eslint/eslint-plugin	^7.7.1	MIT License				
68	devDependencies	typescript-eslint/parser	^7.7.1	TypeScript ESLint Parser	https://github.com/typescript-eslint/typescript-eslint/blob/main/LICENSE			
69	devDependencies	eslint	8.56.0	MIT License	https://github.com/eslint/eslint/blob/main/LICENSE			
70	devDependencies	eslint-config-stylelint	^21.0.0	MIT				
71	devDependencies	eslint-plugin-playwright	^1.6.0	MIT License				
72	devDependencies	eslint-config-prettier	9.1.0	MIT License				
73	devDependencies	eslint-plugin-import-sort	^12.1.0	MIT				
74	devDependencies	eslint-plugin-unused-imports	^3.1.0	MIT				
75	devDependencies	husky	^9.0.11	MIT				
76	devDependencies	jest	^29.7.0	MIT License				
77	devDependencies	jest-environment-jdom	^29.7.0	MIT License				
78	devDependencies	jest-environment-node	^29.7.0	MIT License				
79	devDependencies	jest-preset-angular	~14.0.3	MIT License				
80	devDependencies	lint-staged	^15.2.2	MIT				
81	devDependencies	nx	18.3.4	MIT License				
82	devDependencies	prettier	^3.2.5	MIT License				
83	devDependencies	prisma	^5.13.0	Apache-2.0				
84	devDependencies	stylelint	^16.4.0	MIT				
85	devDependencies	stylelint-config-recess-order	^5.0.1	ISC	https://en.wikipedia.org/wiki/ISC_license			
86	devDependencies	stylelint-config-standard	^36.0.0	MIT				
87	devDependencies	stylelint-config-standard-scss	^13.1.0	MIT				
88	devDependencies	tailwindcss	^3.4.3	MIT				
89	devDependencies	ts-jest	^29.1.2	MIT License				
90	devDependencies	ts-node	10.9.2	MIT License				
91	devDependencies	typescript	~5.4.5	Apache License 2.0				
92	devDependencies	webpack-cli	^5.1.4	MIT License				
93	PackageManager	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					