

Project Name	...
Production system (if any)	...
Test system (if any)	...
GitHub repository	<a href="https://github.com/amosproj/amos-ss2021-project2-context-map">https://github.com/amosproj/amos-ss2021-project2-context-map</a>
GitHub kanban board (project)	<a href="https://github.com/amosproj/amos-ss2021-project2-context-map/projects/1">https://github.com/amosproj/amos-ss2021-project2-context-map/projects/1</a>
Team T-shirt (white)	<a href="https://www.shirtinator.de/loadBasket/UEuo0qppj8j">https://www.shirtinator.de/loadBasket/UEuo0qppj8j</a>
Team T-shirt (black)	(all white)
Additional materials	...
Team Meeting Conference Room	<a href="https://teams.microsoft.com/l/meetup-join/19%3a3b8f52884ffc4100a4eb47e51093e5a7%40thread.tacv2/1618404049950?context=%7b%22">https://teams.microsoft.com/l/meetup-join/19%3a3b8f52884ffc4100a4eb47e51093e5a7%40thread.tacv2/1618404049950?context=%7b%22</a>

Last Name	First Name	GitHub User Name	Email Address	Kenntnisse
Wehr	Thomas	derwehr	thomas.wehr@fau.de	JavaScript, RDF, SPARQL, Turtle
Shmelev	Igor	IgorShmelev	igor.shmelev@fau.de	JavaScript, Razor (C#/HTML), C#
Trütschel	Cato	CatoLeanTruetschel	cato.lean.truetschel@fau.de	Typescript (Javascript) frontend, HTML, CSS, SPA (Blazor), C#, SW architecture
Zuber	Yannick	zuber35	yannick.zuber@gmail.com	Project Management, basics in C & Python
Jablonski	Johannes	joluj	johannes.lukas.jablonski@gmail.com	Typescript (Angular), RxJS, HTML, (S)CSS, SW Architektur
Kopyto	Tobias	PianoRollRepresentation	kopytotobias@gmail.com	etwas Typescript, Java, C#, C++, Python
van de Logt	Jule	julevdl	jule.vandelogt@gmail.com	Project Management, SCRUM, Grundkenntnisse C & Python

<b>Goals</b>	Work in a smooth and constructive environment as a team.
	Achieving our project goals within the set time frame.
<b>Meeting norms</b>	Unless it's an emergency, we will let the team know at least the night before, if we cannot participate in a scheduled team meeting.
	Everyone participates and initially talks about their painpoints and mindset for the past week.
<b>Working norms</b>	We agree on a common style guide for code, which everyone has to follow including clear comments.
	We switch key rolls throughout the project, so everyone gets the chance to participate in different areas.
	We review code together with another team mate (4 - eyes principle).
	Both developers and product owners will agree on a testing method and apply it for every feature.
<b>Coordination norms</b>	We focus on key problems to not waste meeting time, further discussions will be conducted in a smaller scale.
	For every feature we will assign two team members as responsables.
<b>Communication norms</b>	We communicate problems and issues immediately and openly within the team.
	We ask for help whenever needed. We won't judge team members when they ask for help.
	We check our communication channel (Teams) at least once every 24 hours on weekdays.
	We try to communicate criticism in a positive way.
	If we notice possible mistakes in someone's work, we openly communicate it in a friendly and polite way.
<b>Consideration norms</b>	We make decisions based on everyone's best interest (democratic votes).
	We do not judge anyone for having different opinions, but discuss it openly and in a friendly manner.
<b>Cont. improvement norms</b>	We automatically review and test our work on a regular basis according to the agreed manner.
	We track everyone's well-being by regularly checking the happiness index and asking team mates for feedback.
<b>Rewards</b>	We will give out a round of virtual applause for every released feature.
	We will have virtual coffee rounds to chat in a more informal way and celebrate our team work throughout the week.
<b>Sanctions</b>	Whoever joins a meeting late more than 3 times is obliged to sponsor the next virtual coffee meeting.
	If we notice any violations of this team contract, we will point it out to our fellow team mates.
Miriam, Tobias, Johannes, Cato, Igor, Thomas, Jule, Yannick	

#	Meeting Day	Comment	Coach	Product Owner	Software Developer	Scrum Master	Release Manager
1	2021-04-14		Yes	Jule	Everyone else	N/A	N/A
2	2021-04-21		Yes	Yannick	Everyone else	Jule	Johannes
3	2021-04-28		Yes	Jule	Everyone else	Jule	Tobias
4	2021-05-05			Yannick	Everyone else	Tobias	Cato
5	2021-05-12		Yes	Jule	Everyone else	Igor	Cato
6	2021-05-19			Yannick	Everyone else	Jule	Johannes
7	2021-05-26	Mid-term due	Yes		Everyone else	Cato	Igor
8	2021-06-02			Jule	Everyone else	Yannick	Tobias
9	2021-06-09			Yannick	Everyone else	Yannick	Cato
10	2021-06-16		Yes	Jule	Everyone else	Igor	Thomas
11	2021-06-23			Yannick	Everyone else	Thomas	Igor
12	2021-06-30			Jule	Everyone else	Cato	Thomas
13	2021-07-07		Yes	Yannick	Everyone else	Johannes	Tobias
14	2021-07-14	Demo day!					
15	2021-07-21	Retrospective					

Product Vision	Project Mission
<p>The contexmap for corporate data KMAP is the best solution, helping companies worldwide to automatically turn company data into valuable insights. By leveraging modular visualizations, we empower the corporate customers throughout the enterprise to find answers to business related questions without deeper coding knowledge. A responsive step-by-step exploration facilitates quick access to the insights needed. KMAP furthers the communication and transparency across companies and along the value-chain.</p>	<p>The mission of this project is to create an MVP for KMAP. Core functionality will be integrating graph data bases, visualizing the graph data in a modular dashboard, and exploring the data with a no-code query builder.</p>

Term	Definition
Nodes	Define the visualization of entities in the graph
Edges	Define the visualization of relations in the graph

#	Theme	Goal	Feature Name	Est. Size (Feature)	Est. Size (Sprint)	Real Size (Feature)	Real Size (Sprint)	Burn-Down
1	Project	Set-up			21		10	
			A first set up of the web page (menu, subpages etc.)					
			#2 "Hello World" - Setup	2		2		
			#6 - Decide on exemplary dataset	3		5		
			#5 - Find and set-up exemplary dataset	3		3		
			#9 - Query Archetypes	3				
			#11 - Information Visualization	3				
			#46 - Page Set up	5				
			#45 - Dashboard	2				
2	Visualization							
			Visualize the Dataset in a understandable way					
			#28 - Display Context Graph	8				

#	Theme	Goal	Feature Name	Est. Size (Feature)	Est. Size (Sprint)	Real Size (Feature)	Real Size (Sprint)	Burn-Down



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#	Feature Definition of Done	Sprint Release Definition of Done	Project Release Definition of Done

Type	Link / reference

Λ		Context	Name	Version	License	Comment
frontend	included in app	Creating the Web App's UI	React	17.0.2	MIT	<a href="https://www.npmjs.com/package/react">https://www.npmjs.com/package/react</a>
frontend	included in app	DOM specific methods for React	React-DOM	17.0.2	MIT	<a href="https://www.npmjs.com/package/react-dom">https://www.npmjs.com/package/react-dom</a>
frontend	included in app	Scripts and configuration used by React	React-Scripts	4.0.3	MIT	<a href="https://www.npmjs.com/package/react-scripts">https://www.npmjs.com/package/react-scripts</a>
frontend	included in app	Dependency injection	inversify	5.1.1	MIT	<a href="https://www.npmjs.com/package/inversify/v/5.1.1">https://www.npmjs.com/package/inversify/v/5.1.1</a>
frontend	included in app	Dependency injection	reflect-metadata	0.1.13	Apache 2.0	Polyfill for javascript type metadata needed for DI; <a href="https://www.npmjs.com/package/reflect-metadata/v/0.1.13">https://www.npmjs.com/package/reflect-metadata/v/0.1.13</a>
frontend	included in app	measure and analyze performance	web-vitals	1.1.1	Apache 2.0	<a href="https://www.npmjs.com/package/web-vitals">https://www.npmjs.com/package/web-vitals</a>
frontend	included in app	Material UI React components	@material-ui/core	4.11.4	MIT	<a href="https://www.npmjs.com/package/@material-ui/core">https://www.npmjs.com/package/@material-ui/core</a>
frontend	included in app	Material UI icons	@material-ui/icons	4.11.2	MIT	<a href="https://www.npmjs.com/package/@material-ui/icons">https://www.npmjs.com/package/@material-ui/icons</a>
frontend	build time only	Testing environment	cypress	5.4.0	MIT	<a href="https://www.npmjs.com/package/cypress">https://www.npmjs.com/package/cypress</a>
frontend	build time only	className utilities	clsx	1.1.1	MIT	<a href="https://www.npmjs.com/package/clsx">https://www.npmjs.com/package/clsx</a>
frontend	build time only	Style sheet preprocessing	sass	1.32.12	MIT	<a href="https://www.npmjs.com/package/sass/v/1.32.12">https://www.npmjs.com/package/sass/v/1.32.12</a>
frontend	included in app	Multi-page routing	react-router-dom	5.2.0	MIT	<a href="https://www.npmjs.com/package/react-router-dom/v/5.2.0">https://www.npmjs.com/package/react-router-dom/v/5.2.0</a>
frontend	build time only	Types for react-router-dom	@types/react-router-dom	5.1.7	MIT	<a href="https://www.npmjs.com/package/@types/react-router-dom/v/5.1.7">https://www.npmjs.com/package/@types/react-router-dom/v/5.1.7</a>
frontend	included in app	Detect container size changes to adapt graph size	@react-hook/resize-observer	1.2.0	MIT	<a href="https://www.npmjs.com/package/@react-hook/resize-observer/v/1.2.0">https://www.npmjs.com/package/@react-hook/resize-observer/v/1.2.0</a>
frontend	included in app	Async request of graph data	react-async	10.0.1	ISC	<a href="https://www.npmjs.com/package/react-async/v/10.0.1">https://www.npmjs.com/package/react-async/v/10.0.1</a>
frontend	included in app	Using vis-network with React	react-graph-vis	1.0.7	MIT	<a href="https://www.npmjs.com/package/react-graph-vis/v/1.0.7">https://www.npmjs.com/package/react-graph-vis/v/1.0.7</a>
frontend	included in app	Display graph networks (helper library)	vis-data	7.1.2	Apache 2.0 OR MIT	<a href="https://www.npmjs.com/package/vis-data/v/7.1.2">https://www.npmjs.com/package/vis-data/v/7.1.2</a>
frontend	included in app	Display graph networks	vis-network	9.0.4	Apache 2.0 OR MIT	<a href="https://www.npmjs.com/package/vis-network/v/9.0.4">https://www.npmjs.com/package/vis-network/v/9.0.4</a>
backend	included in app	Neo4j driver for JavaScript	neo4j-driver	4.2.3	Apache 2.0	<a href="https://www.npmjs.com/package/neo4j-driver">https://www.npmjs.com/package/neo4j-driver</a>
backend	included in app	Framework for server-side applications	nestjs	7.6.0	ISC	<a href="https://www.npmjs.com/package/nestjs">https://www.npmjs.com/package/nestjs</a>
backend	included in app	Polyfill for Metadata Reflection API	reflect-metadata	0.1.13	Apache 2.0	<a href="https://www.npmjs.com/package/reflect-metadata">https://www.npmjs.com/package/reflect-metadata</a>
backend	?	Deep deletion module for node (like `rm -rf`)	rimraf	3.0.2	ISC	<a href="https://www.npmjs.com/package/rimraf">https://www.npmjs.com/package/rimraf</a>
backend	included in app	Neo4j integration for Nest	nest-neo4j	4.2.3	ISC	<a href="https://www.npmjs.com/package/nest-neo4j">https://www.npmjs.com/package/nest-neo4j</a>
frontend, backend, frontend, backend	build time only	Running node scripts (like pre-build) for different operating systems	run-script-os	1.1.6	MIT	<a href="https://www.npmjs.com/package/run-script-os/v/1.1.6">https://www.npmjs.com/package/run-script-os/v/1.1.6</a>
	build time only	Common code style rules	prettier	2.2.1	MIT	

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