

Project Name	Geo Data Search
Production system (if any)	N/A
Test system (if any)	N/A
GitHub repository	https://github.com/amosproj/amos2021ws01-geo-data-search
GitHub kanban board (project)	https://github.com/amosproj/amos2021ws01-geo-data-search/projects/1
Team T-shirt (white)	https://www.shirtinator.de/loadBasket/OfTfNI5QEYU
Team T-shirt (black)	https://www.shirtinator.de/loadBasket/OfTfNI5QEYU
Additional materials:	
Miro Board	https://miro.com/app/board/o9J_loTR8bM=

Last Name	First Name	GitHub User Name	Email Address
Dargel	Olivia	oliviadargel	olivia.dargel@tu-berlin.de
Fidan	Numan	numanfidan	numanfidan@gmail.com
Fischer	Erik	Battlemech	erik.fischer98@win.tu-berlin.de
Hermann	Christoph Jacob	chrisjherm	christoph.j.hermann@campus.tu-berlin.de
Khakham	Nikita	Decappi	kit0001@gmail.com
Mucaj	Nebi	NebiMucaj	nebi.mucaj@campus.tu-berlin.de
Skorkina	Veronika	weribell	weribell@gmail.com

Goals	Working deliverables
	80% Test Coverable (Decide what kind of tests we will have?)
	Everyone will learn how to work in an agile Team.
	Max 60 minutes meetings
Meeting norms	One meeting per week (Thursday 12:30 pm).
	Sub teams can meet more often.
	Meetings are mandatory.
	Being late is acceptable with good reason behind it (better to communicate it before the meeting).
Working norms	We will separate ourselves into sub teams.
	each sub will decide about their part in the project
	Be open to feedback
	Deliverables must be made until wednesdays 8 p.m., such that one person can upload the final version
Coordination norms	No moderator in meetings (One person reminds others to “focus” if the conversation goes off track)
	Feel free to ask for help/second opinions
Communication norms	Discord outside of meetings
	Try to check Discord every day
	@ somebody if faster feedback is needed
Consideration norms	Disagreements are solved democratically in the smallest possible team/subteam
	Side convos are fine
Cont. improvement norms	Tracking is not strict, we estimate the tickets and track the estimated progress by burnt story points
	Ask the stakeholder in the progress tracking
Rewards	Beer, Radler, Alster or any non-alcoholic beverage
Sanctions	Kick a member from the group after repeated failure of communication
Link to "signed" document	https://docs.google.com/document/d/1Ggt-I91JvP-I-VQKXPaPdtN8rtjWDHj53nBrgt91yYg/edit?usp=sharing

#	Meeting Day	Comment	Coach	Product Owner	Software Developer	Release Manager	Scrum Master
1	2021-10-21	Introduction, Team Contract, Discussion of Architecture preferences	Yes	Nikita Khakham, Olivia Dargel	Everyone else	-	Coach
2	2021-10-28	Regular Sprint Meeting	Yes	Olivia Dargel	Everyone else	Christoph Jacob Hermann	Coach
3	2021-11-04	Regular Sprint Meeting	Yes	Nikita Khakham	Everyone else	Nikita Khakham	Coach
4	2021-11-11	Regular Sprint Meeting	Yes	Olivia Dargel	Everyone else	Nikita Khakham	Coach
5	2021-11-18	Regular Sprint Meeting	Yes	Nikita Khakham	Everyone else	Nikita Khakham	Coach
6	2021-11-25	Regular Sprint Meeting	Yes	Olivia Dargel	Everyone else	Nikita Khakham	Coach
7	2021-12-02	Mid-project release due	Yes				Coach
8	2021-12-09						
9	2021-12-16						
10	2022-01-13		Yes				
11	2022-01-20						
12	2022-01-27						
13	2022-02-03		Yes				
14	2022-02-10	Demo day / final release					
15	2022-02-17	Project retrospective due					

Term	Definition

Product Vision	Project Mission
<p>The Geo Data Search Project will allow companies worldwide to find desired testing routes for their newest prototypes, matching geographical properties like elevation, length and gradient as close as possible. The same parameters may be used to find various routes for cyclers, joggers or even ambitious wine enthusiasts looking for the optimal place to set up a winery. A user can conveniently input their search query by voice or via text be it on mobile, tablet or desktop.</p>	<p>The project mission is to achieve an interpretation of buzzword user queries in German through a web interface concerning location, length, height (difference) of public routes, places and regions. Multiple results, routes or places, matching the user query as close as possible will be displayed in a list as well as in a map. The software should be usable from desktop web browsers and be intuitive - an option to get examples for possible inputs in the web interface will be provided nevertheless.</p>

#	Theme	Goal	Feature Name	Est. Size (Feature)	Est. Size (Sprint)	Real Size (Feature)	Real Size (Sprint)	Burn-Down
1	Organisation				3		3	
		Make irregular deliverables						
			design team logo	2		2		
			design team T-Shirt					
			create Kanban board with labels	1		1		
			write team contract					
			submit t-shirt preferences					
2	Architecture				22		22	
		Plan architecture, Skeleton implementation, make irregular deliverables						
			external API research	5		5		
			capabilities of HERE API	3		3		
			Frontend tech stack choice	5		5		
			Draft for JSON format					
			NLP component architecture	3		3		
			Deploy Docker container with Hello World	3		3		
			Visualization and description of architecture	3		3		
3	Establishing Communication between Components				29		26	
		User - Frontend Communication, Communication from Frontend to Backend, from Backend to NLP Component (and vice versa), implementation of NLP component skeleton						
			Interface for string input	3		3		
			Frontend design draft	5		5		
			Backend interface for communication with Frontend	5		3		
			Frontend interface for communication with Backend	5		5		
			Backend interface for communication with NLP Component	3		2		
			NLP Component interface for communication with Backend	3		2		
			Implementation of current JSON structure	3		3		
			Best Practices for NLP Research	2		3		
4	Data Roundtrip through all Components				24		29	
		Make irregular deliverables, enhance NLP Component and Communication, add Error Handling						
			Write product vision					
			Write project mission					
			Define Definition of Done					
			Generate dummy training data	5		5		
			Set up NLP preprocessing pipeline	3		5		
			NLP Component: Restructure return format for Backend	3		3		
			JSON format for Communication between Backend and Frontend	5		5		
			Open Street Map research	5		8		

#	Theme	Goal	Feature Name	Est. Size (Feature)	Est. Size (Sprint)	Real Size (Feature)	Real Size (Sprint)	Burn-Down
5	NLP model training & backend internal infrastructure	Model training, Version Tracking, enhancements in Front- and Backend, make irregular deliverables	Implementation of Error Handling in Frontend and Backend	3		3		
					32		35	
			Training of NLP Model	5		8		
			Data set creation	5		5		
			Model evaluation	3		3		
			Backend refactoring	9		9		
			Send search result to Frontend	3		3		
			Show versions of all components in Frontend	2		2		
			Send component version to Frontend	2		2		
			Develop mode for debugging	3		3		
			Provide video					
			Mid-Project Release Tracking					
6	First running version with Locations	Usability improvement, Information Retrieval, make irregular deliverables						
			Show map with search results					
			Hints for user input					
			Show loading state					
			Get API Key for OpenStreetMap					
			Get information from external API					
			Extract NER labels					
			Documentation (for user, design, build/deploy)					
			Final Project Release Plan					

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#	Feature Definition of Done	Sprint Release Definition of Done	Project Release Definition of Done
1	Code was reviewed by at least one person	All originally planned Tickets have been accepted in the sprint review	User documentation is available
2	Git CI runs successfully	If documentation was needed - It's committed and pushed to github	Developer documentation is available
3	Feature is merged into main branch	Sprint Release is present and tagged	Test coverage above 50%
4			No started but not finished tasks available

[illegible]

Type	Link / reference

#	Context	Name	Version	License	Comment
1	NLP Component	spacy	3.1	MIT	for NLP tasks
2	NLP Component	virtualenv	20.2.0	MIT	virtual environment builder for Python
3	NLP Component	FastAPI	0.70.0	MIT	
4	NLP Component	uvicorn	0.15.0	BSD-3	ASGI server for FastAPI
5	NLP Component	de_core_news_sm, de_core_news_md, de_core_news_lg or de_dep_news_trf	3.1.0	MIT	Models for NLP preprocessing tasks, see https://spacy.io/models/de
6	Frontend Component	React	17.0.2	MIT	Frontend JavaScript library
7	Frontend Component	Next.js	12.0.1	MIT	React framework with additional features
8	Frontend Component	Jotai	1.4.2	MIT	State management library
9	Frontend Component	Tailwind	2.2.19	MIT	CSS utility-first framework
10	NLP Component	Chatette	1.6.3	MIT	Dataset creation
11	NLP Component	pytest	6.2.5	MIT	Testing
12					

Last Name	First Name	Value					
Hermann	Christoph Jacob	0		0.00	OK		
Fischer	Erik	0					
Mucaj	Nebi	0					
Khakham	Nikita	0					
Fidan	Numan	0		0	No size		
Dargel	Olivia	0		1	Trivial size		
Skorkina	Veronika	0		2	Small size		
				3	Medium size		
				5	Large size		
				8	Very large size		
				13	Too large (size)		