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Project Data

Project Name	Explainable Similarity Detector
Production system (if any)	
Test system (if any)	
GitHub repository	https://github.com/amosproj/amos2021ws06-exp-similarity-detector
GitHub kanban board (project)	https://github.com/amosproj/amos2021ws06-exp-similarity-detector/projects/1
Team T-shirt (white)	
Team T-shirt (black)	https://www.shirtinator.de/loadBasket/OLYtK-gJU9h
Additional materials	
Zoom-Link:	https://fau.zoom.us/j/65358072167?pwd=UFd4MFBHaU5iT3AwdVIMdnVxbXZwUT09

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Project Team

Last Name	First Name	GitHub User Name	Email Address	Roles (preliminary)
	Max	hemnemne		Backend
	Tim	t99-i		Frontend + PO
	Ronny	georgir20		Frontend
	René	Re-Krass		Backend
	Claudia	TuCl		Backend
	Hannes	h4nn3s94		Frontend
	Jasper	jasperjulius		Backend
	Simon	B4rtware		Backend

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Team Contract

Caala	Des Ziel ist die Giebenstellung einen effektion, vorlänglichen eben grab gleichweitig flexiblen Tempkommunikation
Goals	Das Ziel ist die Sicherstellung einer effektiven, verlässlichen aber auch gleichzeitig flexiblen Teamkommunikation.
	Jeden im Projekt involviert halten, indem man sich für die aktuellen Aufgaben/Probleme der anderen interessiert.
Meeting norms	Wir treffen uns alle jeden Donnerstag spätestens um 12:35 Uhr.
	Optionales 30-minütiges wöchentliches Meeting kann nach individueller Vereinbarung dazukommen.
	Mehr als 10 Minuten Verspätung müssen kommuniziert werden.
Working norms	Jeder zeigt gegenseitigen Respekt und übernimmt volle Verantwortung für ihre/seine Aufgabenbereiche.
	Features im Team besprechen, Umsetzung in den Kompetenzbereichen / Unterteams.
	Es ist ok manchmal seine eigenene Kompetenzen zu überschätzen und sich rechtzeitg Hilfe zu suchen.
	Bei einer Diskussion von mehr als (ungefähr) 15 Minuten, dann wird abgestimmt. Tie Breaker ist der PO.
Coordination norms	Product Owner sollte Telegram moderieren.
	Meeting Moderation nach Scrum Norm. Darauf achtet der Scrum Master.
	Alternative Modelle werden akzeptiert, solange sie nicht Scrum wiedersprechen.
<b>Communication norms</b>	Für die externe Kommunikation sollte Telegram genutzt werden
	Zoom für weekly calls: (https://tu-berlin.zoom.us/j/68376196208?pwd=b0N6NUFXcnFxQXhaSVB6TXFwM25aQT09)
Consideration norms	Jeder darf einmal ohne besonderen Grund, aber mit vorheriger Ansage, fehlen.
Cont. improvement norms	Wichtige Entscheidungen werden im Meeting Protokoll vom PO abgelegt.
	Jeder darf und soll ehrliches Feedback äußern.
Rewards	Gemeinsames Bier bei Projektabschluss.
	Wir wissen uns gegenseitig für unsere Arbeit wertzuschätzen.
Sanctions	2 Euro Spende an Wohltätige Organisation, wenn man etwas "verhauen" hat.
	Wahlweise Bierspende ans Team.
	xx X xx xXx}{

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Role Assignments

#	Meeting Day	Comment	Coach	<b>Product Owner</b>	Software Developer	Release Manager	Scrum Master
1	2021-10-21		Yes	Tim	Everyone else	N/A	Coach
2	2021-10-28		Yes	Tim	Everyone else	Claudia	Coach
3	2021-11-04		Yes	Tim	Everyone else	Max	Coach
4	2021-11-11		Yes	Tim	Everyone else	Jasper	Coach
5	2021-11-18		Yes	Tim	Everyone else	Tim	Coach
6	2021-11-25		Yes	Tim	Everyone else	Simon	Coach
7	2021-12-02	Mid-project relea	Yes	Tim	Everyone else	Hannes	Coach
8	2021-12-09			Tim	Everyone else	René	Coach
9	2021-12-16			Tim	Everyone else	Ronny	Coach
10	2022-01-13		Yes	Tim	Everyone else	Claudia	Coach
11	2022-01-20			Jasper	Everyone else	Max	Coach
12	2022-01-27			Tim	Everyone else	Jasper	Coach
13	2022-02-03		Yes	Max	Everyone else	Tim	Coach
14	2022-02-10	Demo day / final	release	Tim	Everyone else	Simon	Coach
15	2022-02-17	Project retrospec	tive due	Tim	Everyone else	Hannes	Coach

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Product Goal

Product Vision	Project Mission
The Explainable Similarity Detector should give all developers who work with	
electronic components a noticeable offer simplification in everyday work. Through the use of machine learning and an easily understandable surface, the time-consuming search for suitable components should be faster, more convenient and clearer.	The mission of this project is to utilize the machine learning algorithm given by Siemens for the find functionally similar electronic components. This is supposed to be given on the basis of one or more Components are done with the help of filters.
The reason of existence of the envisioned product (beyond this project).	The mission of this particular project (in the context of the product vision).

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Product Glossary

Term	Definition
user	a developer who works with electronic components
(electronic) components	semiconductors, LEDs, etc.
Industry-Partner-User	Users on the part of the industrial partner who will use the software product
Industry-Partner-Software-developer	Software developers on the part of the industrial partner who will work on the software product
Scheduled-for-Split	It is likely that this feature will have to be broken down into subtasks
SFS	Shorthand for Scheduled-for-Split

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Mid-Project Release Tracking

#	Theme	Goal	Feature Name	Est. Size (Feature)	Est. Size (Sprint)	Real Size (Feature)	Real Size (Sprint)	Burn- Down
1	Dummy-Prototype	Goal	1 Gature Hame	(i catule)	13		TBD	DOWII
	,	Deliver first prototype to test basic interaction between frontend and backend						
			Basic functionality for finding similarities (Dummy-Backend)	8	3	TBD		
			Basic functionality for finding similarities (Dummy-Frontend)	5	5	TBD		
2	Basic-Prototype							
		Deliver a prototype that can already receive and process input			ТВО		TBD	
			Filter results	TBD		TBD		
			Feedback function	TBD		TBD		
3	Advanced-Protoype				TBD		TBD	
		deliver a prototype which already contains advanced (non-basic) functionalities						
			Tab system	TBD		TBD		
			Show data sheet	TBD		TBD		
			Filter based search					
4	(Not yet determined)							

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Final Project Release Planning

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

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Impediments Backlog

Sprint	Status	Source	Impediment	Resolution
1	Resolved	Industry partner	Fehlende Informationen zu Spezifikation und Technik	Warten auf User-Journey-Meeting
1	Resolved	Industry partner	Nicht die versprochenen Unterlagen geschickt	Unterlagen bekommen.
1	Resolved	Industry partner	User-Journey Meeting erst in zwei Wochen angesetzt.	Später Termin ist in Ordnung.

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Definition of Done

#	Feature Definition of Done	Sprint Release Definition of Done	Project Release Definition of Done
1	- Code has been reviewed by developer	- no bugs that affect the functionality	- Basic functionality and front end is ready for use
2	- Code has been reviewed by the responsible developer Team (Frontend/Backend)	- small bugs are documented for rectification	- User documentation is ready (subject to change)(used and checked by AT LEAST 3 off-project persons (Industry-Partner-User))
3		- (Optimal): 80-90% of the assigned tasks were completed successfully	- Developer documentation is ready (subject to change) (used and checked by AT LEAST 3 off-project persons (Industry-Partner-Software-Developer)
4		- (Minimum): At least 50% of all assigned tasks have been completed (discussion in the meeting)	
			Appendix: Subject-to-change
			Expect further information from the industry partner, how many people are available for this (expected in the Industry Partner Sprint Review: 25.11.21)

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Documentation

Type	Link / reference

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Bill of Materials

\ C	Context	Name	Version	License	Comment
1 B	Backend	Django	3.2.9	BSD License	
2 B	Backend	Markdown	3.3.4	BSD License	
3 B	Backend	Pillow	8.4.0	Historical Permission Notice and Disclaimer (HPND)	
4 B	Backend	Werkzeug	2.0.2	BSD License	
5 B	Backend	absl-py	0.15.0	Apache Software License	
6 B	Backend	asgiref	3.4.1	BSD License	
7 B	Backend	click	8.0.3	BSD License	
8 B	Backend	colorama	0.4.4	BSD License	
9 B	Backend	cycler	0.11.0	BSD License	
10 B	Backend	dataclasses	0.8	Apache Software License	
11 B	Backend	djangorestframework	3.12.4	BSD License	
12 B	Backend	gensim	4.1.2	LGPL-2.1-only	
13 B	Backend	grpcio	1.41.1	Apache Software License	
14 B		importlib-metadata	4.8.1	Apache Software License	
15 B		joblib	1.1.0	BSD License	
16 B		kiwisolver	1.3.1	BSD License	
17 B		matplotlib	3.3.4	Python Software Foundation License	
18 B	Backend	mlxtend	0.19.0	BSD License	
		nltk	3.6.5	Apache Software License	
		numpy	1.19.0	BSD	
21 B		pandas	0.25.3	BSD	
22 B		protobuf	3.19.1	3-Clause BSD License	
23 B		pyarrow	6.0.0	Apache Software License	
24 B		pyparsing	3.0.4	MIT License	
		python-dateutil	2.8.2	Apache Software License; BSD License	
26 B		pytz	2021.3	MIT License	
		regex	2021.11.2	Apache Software License	
		sacremoses	0.0.46	MIT License	
29 B		scikit-learn	0.24.2	new BSD	
30 B		scipy	1.5.4	BSD License	
31 B		six	1.16.0	MIT License	
32 B	Backend	scikit-learn	1.0.1	OSI Approved (new BSD)	Requires: Python >=3.7; sklearn ist sehr alt und besitzt keine Lizenz. Um aber scikit-learn verwenden zu können, wird mindestens die Python version 3.7 benötigt.
		sklearn	0.0	UNKNOWN	vo.c.c o borrouge.
		smart-open	5.2.1	MIT License	
		sqlparse	0.4.2	BSD License	
		stop-words		BSD License	
		tensorboard	2.0.0	Apache Software License	
		threadpoolctl	3.0.0	BSD License	
		torch	1.10.0	BSD License	
	Backend		4.62.3	MIT License; Mozilla Public License 2.0 (MPL 2.0)	
		typing-extensions	3.10.0.2	Python Software Foundation License	

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Bill of Materials

\ Conte	text	Name	Version	License	Comment
42 Backe	kend	zipp	3.6.0	MIT License	
43 Fronte	ntend	Mendix	9.6.1	Free License	
44 Fronte	ntend	Mendix Excel Importer	10.02.2	Free License	
45 Fronte	ntend [	Mendix Amazon S3 Connector	4.3.0		fraglich ob es mit der 9er Mendix Version funktioniert, war für 7er entwickelt

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Planning Poker

Last Name	First Name	Value			
	Max		TUIVI	TUIVI	
	Tim		0!	0!	
	Ronny		U:	U:	
	René				
	Claudia		0	No size	
	Hannes		1	Trivial size	
	Jasper		2	Small size	
	Simon		3	Medium size	
			5	Large size	
			8	Very large size	
			13	Too large (size)	