

<b>Project Name</b>	...
<b>Online team meeting</b>	<a href="https://fau.zoom.us/j/68283073150">https://fau.zoom.us/j/68283073150</a>
<b>Production system (if any)</b>	...
<b>Test system (if any)</b>	...
<b>GitHub repository</b>	<a href="https://github.com/amosproj/amos2023ws05-pipeline-config-chat-ai">https://github.com/amosproj/amos2023ws05-pipeline-config-chat-ai</a>
<b>GitHub feature board</b>	<a href="https://github.com/orgs/amosproj/projects/29/views/2">https://github.com/orgs/amosproj/projects/29/views/2</a>
<b>GitHub impediments backlog</b>	<a href="https://github.com/orgs/amosproj/projects/35">https://github.com/orgs/amosproj/projects/35</a>
<b>Team T-shirt (black)</b>	<a href="https://www.shirtinator.de/loadBasket/rhFtkf_qdIL">https://www.shirtinator.de/loadBasket/rhFtkf_qdIL</a>
<b>Additional materials</b>	...
<b>Team email list</b>	oss-amos-proj5@lists.fau.de
<b>Team logo</b>	<a href="https://www.shirtinator.de/loadBasket/rhFtkf_qdIL">https://www.shirtinator.de/loadBasket/rhFtkf_qdIL</a>
<b>Happiness index</b>	<a href="https://happy-amos.appspot.com/Project?project=6222853397544960&amp;course=6210557241720832">https://happy-amos.appspot.com/Project?project=6222853397544960&amp;course=6210557241720832</a>

Last Name	First Name	GitHub User Name	Email Address
Katziuk	Avi	avikatziuk	avi.katziuk@fau.de
Betancourt Barrita	Cecilia	ceciliabetb	cecilia.betancourt@fau.de
El Brak	Sara	SaraElBrak	sara.el@fau.de
Hazzouri	Zain Alabden	bergzain	zain.hazzouri@gmail.com
Najar	Linda	lyndanajjar	linda.najar@fau.de
Smadi	Obeidah	obismadi99	obeidah0smadi@gmail.com
Gtari	Nahrain	Nahrain1	nahraingtari1@gmail.com

#	Meeting Day	Product Owner	Software Developer	Release Manager	Scrum Master	Comment
1	2023-11-01	Cecilia Betancourt Barrita, Avi Katziuk	Everyone else	zain hazzouri	Sara El Brak	
2	2023-11-08	Cecilia Betancourt Barrita, Avi Katziuk	Everyone else	Obi Smadi	Sara El Brak	
3	2023-11-15	Cecilia Betancourt Barrita, Avi Katziuk	Everyone else	Nahrain Gtari	Sara El Brak	
4	2023-11-22	Cecilia Betancourt Barrita, Avi Katziuk	Everyone else	Linda Najar	Sara El Brak	
5	2023-11-29	Cecilia Betancourt Barrita, Avi Katziuk	Everyone else	zain hazzouri	Sara El Brak	
6	2023-12-06	Cecilia Betancourt Barrita, Avi Katziuk	Everyone else	Obi Smadi	Sara El Brak	
7	2023-12-13	Cecilia Betancourt Barrita, Avi Katziuk	Everyone else	Nahrain Gtari	Sara El Brak	Mid-term due
8	2023-12-20	Cecilia Betancourt Barrita, Avi Katziuk	Everyone else	Linda Najar	Sara El Brak	
9	2023-12-27	Cecilia Betancourt Barrita, Avi Katziuk	Everyone else	zain hazzouri	Sara El Brak	
10	2023-01-11	Cecilia Betancourt Barrita, Avi Katziuk	Everyone else	Obi Smadi	Sara El Brak	
11	2023-01-18	Cecilia Betancourt Barrita, Avi Katziuk	Everyone else	Nahrain Gtari	Sara El Brak	
12	2023-01-25	Cecilia Betancourt Barrita, Avi Katziuk	Everyone else	Linda Najar	Sara El Brak	
13	2023-02-01	Cecilia Betancourt Barrita, Avi Katziuk	Everyone else	zain hazzouri	Sara El Brak	
14	2023-02-08	Cecilia Betancourt Barrita, Avi Katziuk	Everyone else	Obi Smadi	Sara El Brak	Demo day!
15	2023-02-15	Cecilia Betancourt Barrita, Avi Katziuk	Everyone else	Nahrain Gtari	Sara El Brak	Retrospective

<b>Goals</b>	Create a ChatBot per the company's requirements in a successful way
	Maintain an agile manner of work in a good atmosphere
<b>Meeting norms</b>	The cameras should be turned on for better human communication
	Meetings must not exceed 30 min over time, otherwise schedule another meeting.
	Delays should be informed and handled on agile way ( write in the telegram group )
	weekly meeting
<b>Working norms</b>	Contributing and communicating openly
	Keep respect during possible conflicts (on technical issues z.B)
<b>Coordination norms</b>	Everyone sticks to assigned roles
<b>Communication norms</b>	communicate in advance and don't leave it for the last minute ( don't be ashamed of asking simple questions )
<b>Consideration norms</b>	We communicate conflicts openly
	Team final decisions are based on voting
<b>Cont. improvement norms</b>	Improvement suggestions are welcomed
	Happiness index and standup emails to be reviewed in case of non-satisfaction
<b>Rewards</b>	Obi makes the team a cake - final reward
	Have coffee and bring games after the mid release
<b>Sanctions</b>	Team will decide on the memeber's sanction accordingly
<b>Signatures</b>	
Scrum Master	Sara El Brak
Product owner	Cecilia Betancourt Barrita
Product owner	Avi Katziuk
Software developer	zain hazzouri ( TU Berlin )
Software developer	Obi Smadi ( TU Berlin )
Software developer	Nahrain Gtari
Software developer	Linda Najar

Product Vision	Project Mission
<p><b>UPDATED 03.12.23</b> Introducing ChatRTDIP. By leveraging the power of large language models and generative AI, this product aims to offer an intuitive, user-friendly interface for establishing RTDIP configurations. The focus is on simplicity and efficiency, allowing users from various backgrounds, technical or otherwise, to interact with and create complex data extraction configurations with ease. The integration of the RTDIP and RTDIP SDK as a knowledge base, combined with a chat engine, will result in an accessible and adaptable product, ultimately reducing the learning curve, time, and effort required in analyzing real-time sensor data.</p>	<p><b>UPDATED 03.12.23</b> The mission of the ChatRTDIP project, in collaboration with Shell and under the AMOS framework, is to develop a cutting-edge tool that seamlessly blends chat AI technology with the robust data processing capabilities of RTDIP. The project is dedicated to creating a platform where users can effortlessly configure data pipelines using a conversational interface.</p>

Sprint	Topic	Goal	Feature Name	Est. Size	Est. Remaining	Real Size	Real Remaining
Release							
Total				244	244		
Sprints							
1	Project Kickoff and Planning			5	244	5	244
2	Chatbot Software Architecture and Framework			26	239	20	239
3	Natural Language Processing Integration			16	213	11	219
4	User Interaction and Model Enhacement			21	197	11	208
5	User Interface and Conversation Flow			63	176	14	197
6	Refine Interactive Communication			58	113	9	183
7	Comprehensively test and verify each feature related to the capabilities of the bot			55	55	6	174
...					55		174
Features							
1	Project Kickoff and Planning						
		Establish project infrastructure and team roles					
		Create bill of materials		3		3	
		Define regular meeting with IP		1		1	
		Pipeline workshop with IP		1		1	
		Build process review - Homework		1		1	
2	Chatbot Software Architecture and Framework						
		Define the software architecture and prepare the necessary data for training the chatbot					
		Connect the bot to the RAG Hub		2		2	
		Collect the data for the RAG content Hub		2		2	
		Initialize a RAG content Hub		8		5	
		Create a pre-alpha version of UI		8		5	
		Create the first output		3		3	
		Environment set up (pipeline)		3		3	
		Create a Software Architecture Document		3		3	
3	Natural Language Processing Integration						
		Develop the core NLP model for chatbot understanding					
		Create and configure inference end point for the model		5		5	

Sprint	Topic	Goal	Feature Name	Est. Size	Est. Remaining	Real Size	Real Remaining
			Source processing power	3		3	
			Developing a Model-Agnostic approach for Enhacing Speed Performance	5			
			Finding and Configuring an alternative UI	3		3	
			Initialize the full version of the bot	5			
4	<b>User Interaction and Model Enhancement</b>						
			Create wireframes and UI mockups.				
			Create a docker image to run the inference endpoint	5			
			Write a document with steps we need to take to get the bot working	3			
			Test Plan for Prompt Engineering	2			
			Initialize a Domain-Specific Dataset (DNS)	3			
			Initialize a README File	3			
5	<b>User Interface and Conversation Flow</b>						
			Design the chatbot's user interface and conversation flow.				
			Finding and Configuring an alternative UI	3		3	
			Connect the endpoint to the original UI	3			
			Inference Endpoint and Docker Container Creation				
			Text generation inference configuration				
			Create a new docker file	5			
6	<b>Refine Interactive Communication</b>						
			Create requirement.txt	2			
			Display code on the right	3			
			Enable iterative communication with the bot	5			
			Set up a query catalog - single source of truth	5			

Term	Definition



Sprint #	Sprint goal
1	-
2	-
3	-
4	Elevate the user experience by improving user interaction and enhancing the underlying model's performance.
5	Set up and clean the user interface (UI) and streamlining conversation flow within our product.
6	Create a more meaningful and compelling communication experience for our users by refining interactive communication.
7	Verify and test individual features for bot actions and natural language understanding.
8	
9	
10	
11	
12	
13	
14	
15	

Sprint	Goal	Feature Name	Est. Size	Est. Remaining	Real Size	Real Remaining
Release						
Total			0	0		
Sprints						
7		Begin query testing and simplify UI	0	0	0	0
8		Continue query testing and prepare for advanced queries input	0	0	0	0
9		Query, performamnce testing and improvements	0	0	0	0
10		Farther speed improvmnts and UI adjustments	0	0	0	0
11		Test of unsupported queries and edge cases	0	0	0	0
12		Quality of life features	0	0	0	0
13		Prepare for final release	0	0	0	0
...				0		0
Features						
7	Begin testing and simplify UI					
		Q[1,a] - Query testing, optimization and verification				
		Clear the left UI bar				
		Add a title and Github link on the left of the UI				
		Streaming response model support				
		Prepare testing queries for testing week 2,3,4				
		Q[1,d] - Query testing, optimization and verification				
		Q[1,f] - Query testing, optimization and verification				
		Q[1,g] - Query testing, optimization and verification				
		Q[1,c] - Query testing, optimization and verification				
		Q[1,b] - Query testing, optimization and verification				
		Update ReadMe File				
		Cleaning up the repo				
		Q[1, a - g] Query testing, optimization and verification				
8						

Sprint	Goal	Feature Name	Est. Size	Est. Remaining	Real Size	Real Remaining
9						
		Q[3, a - g] Query testing, optimization and verification				
		Plan how to test context awareness feature				
		Implement speed improvement solutions				
		Implement a "new conversation" button				
		*Placeholder for fixing failed tests*				
10						
		Q[4, a - g] Query testing, optimization and verification				
		Test speed improvement solution				
		Adjust UI margins				
		Test context awareness				
		*Placeholder for fixing failed tests*				
11						
		Q[4, a - g] Query testing, optimization and verification				
		Enable reading API from config file				
		Enable message editing				
		*Placeholder for fixing failed tests*				
12						
		Enable message editing				
		Enable flipping between edited messages				
		Test response for non-supported queries				
		*Placeholder for fixing failed tests*				
13						
		Finalize the RAG				
		Close any unfixed issues from testing				

[illegible]

Type	Link / reference

Last Name	First Name	Value					
Katziuk	Avi			8.00	OK		
Betancourt Barrita	Cecilia						
El Brak	Sara						
Hazzouri	Zain Alabden	8					
Najar	Linda	8		0	No size		
Smadi	Obeidah	8		1	Trivial size		
#REF!	#REF!	8		2	Small size		
#REF!	#REF!	8		3	Medium size		
Gtari	Nahrain	8		5	Large size		
				8	Very large size		
				13	Too large (size)		

#	Context	Name	Version	License	Comment
1	1st level dependency	Python	3.11	OSI-approved	
2	1st level dependency	PySpark		Apache License	
3	1st level dependency	RTDIP SDK	v0.5.0	Apache 2.0 License	
4	1st level dependency	Git	3.10.3	GNU	
5	1st level dependency	HTML	5		
6	1st level dependency	CSS			