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

| 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 Najjar | 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 Najjar | 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 Najjar | 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 |
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| Goals | Create a ChatBot per the company's requirements in a successful way |
| | Maintain an agile manner of work in a good atmosphere |
| Meeting norms | 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 |
| Working norms | Contributing and communicating openly |
| | Keep respect during possible conflicts (on technical issues z.B) |
| Coordination norms | Everyone sticks to assigned roles |
| Communication norms | communicate in advance and don't leave it for the last minute (don't be ashamed of asking simple questions) |
| Consideration norms | We communicate conflicts openly |
| | Team final decisions are based on voting |
| Cont. improvement norms | Improvement suggestions are welcomed |
| | Happiness index and standup emails to be reviewed in case of non-satisfaction |
| Rewards | Obi makes the team a cake - final reward |
| | Have coffee and bring games after the mid release |
| Sanctions | Team will decide on the memeber's sanction accordingly |
| Signatures | |
| 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 |
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| <p>UPDATED 03.12.23 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>UPDATED 03.12.23 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 | User Interaction and Model Enhancement | | | | | | |
| | | | 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 | User Interface and Conversation Flow | | | | | | |
| | | | 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 | Refine Interactive Communication | | | | | | |
| | | | 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 | | | |
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| Term | Definition |
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| Sprint # | Sprint goal |
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| 1 | - |
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| 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. |
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| Sprint | Goal | Feature Name | Est. Size | Est. Remaining | Real Size | Real Remaining |
|----------|------|--------------|-----------|----------------|-----------|----------------|
| Release | | | | | | |
| Total | | | 0 | 0 | | |
| Sprints | | | | | | |
| 1 | | | 0 | 0 | 0 | 0 |
| 2 | | | 0 | 0 | 0 | 0 |
| 3 | | | 0 | 0 | 0 | 0 |
| ... | | | | 0 | | 0 |
| Features | | | | | | |
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| Type | Link / reference |
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| 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) | | |
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