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COMP90082-2023-SM1-Digital-Health

Project Description

Our team is working on the development of a cutting-edge platform designed to enhance the analysis of clinical documentation in the digital health area. The primary objective of this platform is to determine whether medications prescribed to patients are appropriate by normalizing free-text clinical notes and mapping them to canonical clinical terms.

The platform's primary function is to simplify the process of associating brief free-text descriptions, which generally explain the reasoning behind prescribing specific medications, onto a standardized knowledge base of clinical terms known as SNOMED CT.

The platform features the integration of a human-in-the-loop system, which allows for manual review and correction of the mapping results. This feedback will be used to continuously enhance the platform's accuracy and performance.

A key component of the platform is the development of a Universal Indication List (UIL), which serves as a subset of the broader SNOMED CT. This curated list will further streamline the mapping process, ensuring that the most relevant and commonly used clinical terms are easily accessible for healthcare professionals and researchers.

Client Goals

- Developing a platform that will assess if a medication has been appropriately prescribed to a patient.
- Set up and customise a platform that will allow a human-in-the-loop to manually review the results of the mapping, make corrections, and feed these back to re-train the system.

Client



Daniel Capurro

Email: dcapurro@unimelb.edu.au

Daniel is a Medical Doctor, trained in Internal Medicine, and hold a PhD in Biomedical and Health Informatics from the University of Washington in Seattle. He is the Deputy Director of the Centre for Digital Transformation of health where he co-leads the Digital health Validitron (a pipeline to validate digital health innovations in a way similar to what happens with drugs and vaccines) and the Data Science stream.

Meet the team

Overview

Agile Methodology	Scrum
Status	Sprint 1 (Deisgn Sprint)
Team Location	Melbourne, Australia
Team representative's Email	doncd@student.unimelb.edu.au

Motivation, mission and vision

Due to the fact that extracting information from free-text clinical notes could be very difficult, our platform could be used to help medical researchers

- map the short texts into a certain category and view them
- manually curate the incorrect or unrecognised mapping result
- feed corrections back to re-train the system
- download the mapping results

We hope that our final product could be officially deployed and used by our client to help real-world medical researchers.

Important Pages

- [Github](#)
- [Figma: Prototype](#)
- [Trello \(Join by Invitation Link\)](#)

Supervisor



Mauro Mello Jr

Email: mauro.mellojr@unimelb.edu.au

Extensive experience in Information Systems and Information Technology (since 1978) and tertiary education (since 1982). The fields are involved with Business and management, Consulting activities, Project management activities and IT and systems development methodologies.



Kunxi (Quincy) Sun

Email: kunxis@student.unimelb.edu.au

Role: Product Owner

Responsibility:

- Ensures the team delivers the most value to Daniel
- Backend, Design, Operation



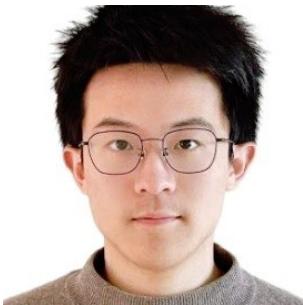
Chenyang (Peter) Dong

Email: doncd@student.unimelb.edu.au

Role: Scrum Master

Responsibility:

- Responsible for ensuring that the Scrum framework is followed
- Frontend, Backend



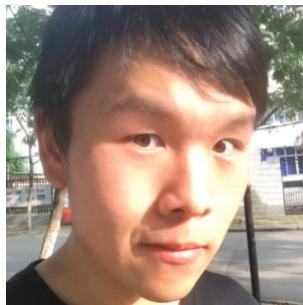
Hanyi (Henry) Gao

Email: hanyig1@student.unimelb.edu.au

Role: Development Team Member

Responsibility:

- Implements the system
- Frontend, Testing, Design



Yulai (Ricardo) Luo

Email: yulail1@student.unimelb.edu.au

Role: Development Team Member

Responsibility:

- Implements the system
- Frontend, Backend, UX



Yue (Molly) Fei

Email: yfei@student.unimelb.edu.au

Role: Development Team Member

Responsibility:

- Implements the system
- Frontend, Backend, UX

Recent space activity



Chenyang Dong

Sprint 3 - Development updated less than a minute ago • [view change](#)

Sprint 2 - Development updated less than a minute ago • [view change](#)



Ricardo Luo

Technical Details updated less than a minute ago • [view change](#)



Hanyi Gao

Use Cases updated 3 minutes ago • [view change](#)



Chenyang Dong

Sprint 1 - Design Sprint updated 4 minutes ago • [view change](#)

Space contributors

- Chenyang Dong (less than a minute ago)
- Ricardo Luo (less than a minute ago)
- Hanyi Gao (3 minutes ago)
- Yue Fei (12 minutes ago)
- KUNXI SUN (13 minutes ago)
- ...

Requirements

Table of Content

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- Functional Requirements
- Non-Functional Requirements
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- Product Backlog

Goals

- Develop a platform to assess if a medication has been appropriately prescribed to a patient.
- Set up and customize a platform that will allow a human-in-the-loop to manually review the mapping results, make corrections, and feed these back to re-train the system.

Background

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Personas

[Personas](#)

Goal Model

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Requirements

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User Stories

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Use Cases

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User interaction and design

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Background

Clinical Documentation Analysis

Importance of Clinical Documentation

Clinical documentation is a critical component of healthcare, as it serves as a record of a patient's medical history, diagnosis, treatment, and care. Accurate and comprehensive documentation enables healthcare providers to make informed decisions and facilitate effective communication among team members. Additionally, clinical documentation plays a crucial role in various areas such as medical research, quality improvement initiatives, and billing or reimbursement processes.

Challenges in Extracting Information from Free-Text Clinical Notes

Free-text clinical notes are widely used in medical practice, as they allow clinicians to describe complex cases efficiently. However, extracting structured and actionable information from these notes is a challenging task. Natural language processing (NLP) techniques can be used to analyze and process free-text clinical notes. However, variations in terminology, abbreviations, and linguistic structures can lead to inaccuracies and inconsistencies when mapping the extracted information to standardized medical terms.

SNOMED CT

A Brief Overview of SNOMED CT

SNOMED CT (Systematized Nomenclature of Medicine - Clinical Terms) is a comprehensive, multilingual clinical terminology system designed for the global healthcare community. It enables the consistent representation of clinical information across different systems and facilitates interoperability between healthcare providers. SNOMED CT includes over 350,000 clinical concepts, each with a unique identifier, and supports mapping to other coding systems like ICD-10.

Benefits of Mapping Clinical Terms to SNOMED CT

Mapping clinical terms to SNOMED CT offers several benefits:

1. Enhanced data consistency and accuracy, as it enables a standardized representation of clinical concepts.
2. Improved communication and understanding among healthcare professionals.
3. Facilitation of medical research and data analytics by providing a common language for data sharing and comparison.
4. Streamlined billing and reimbursement processes through standardized coding.

Ontoserver

Overview of Ontoserver

Ontoserver is a terminology server developed by CSIRO that provides a wide range of features to support the use of clinical terminologies, such as SNOMED CT, in healthcare applications. It allows for the storage, management, and querying of clinical terms and supports mapping between different terminologies. Ontoserver can be deployed locally and tuned to specific data sets, offering flexibility and adaptability to various healthcare contexts.

Features and Capabilities

Ontoserver provides several features and capabilities, including:

1. Terminology storage and management: Efficiently store and manage large terminologies such as SNOMED CT.
2. Mapping: Perform mapping between different terminologies and code systems.
3. Querying: Retrieve and search clinical terms using advanced query capabilities.
4. Customization: Customize the server to suit specific healthcare applications and requirements.
5. FHIR Standard and Syndication: Ontoserver implements the FHIR (Fast Healthcare Interoperability Resources) standard, ensuring seamless integration with other FHIR-compliant clients and systems.

Deployment and Customization

Ontoserver can be deployed locally, providing the flexibility to tailor the server to a specific use case. It can be deployed using Docker, enabling easy integration with existing virtual machines and making it a reusable component in a text analytics pipeline. Customization options include tuning the server to a specific dataset, enhancing performance, and adapting the server to support additional terminologies or features.

Security and Privacy in Healthcare Data

Data Protection and Compliance

When working with sensitive healthcare data, it is crucial to ensure that the platform adheres to strict data protection and privacy regulations such as HIPAA (Health Insurance Portability and Accountability Act) in the United States or GDPR (General Data Protection Regulation) in the European Union. These regulations are designed to protect patient's personal and medical information from unauthorized access and misuse.

Secure Data Storage and Transmission

To maintain the integrity and confidentiality of healthcare data, it is essential to implement robust security measures for data storage and transmission. This includes encrypting data at rest and in transit, using secure authentication methods, and regularly monitoring and auditing system activities. By incorporating best practices for data security, the platform can help protect sensitive information while still enabling valuable insights and analysis.

Functional Requirements

Text Input and Processing:

- The system must accept free-text clinical text input from medical researchers.
- The system must process and analyze the input text or file to identify relevant terms and phrases.

Mapping Terms to Categories:

- The system must map identified terms to one or multiple categories based on a universal indication list.
- The system must allow users to review and adjust the selected category.

Integration with Mapping Tool:

- The system must integrate with a mapping tool such as Ontoserver.
- The system must be able to send input text to the mapping tool and receive mapped categories and confidence levels.

Downloading Mapping Results:

- The system must provide an option for users to download the mapping results.
- The system must generate a report containing history mapping and mapped categories for future reference.

Visualization:

- The system must provide a user-friendly interface for curating.
- The system must display the mapping performance.
- The system must display the performance history of mapping.

User Authentication and Authorization:

- The system must provide user authentication to ensure secure access to the mapping tool.
- The system must identify the user who curates the mapping results.
- The system may support role-based access control to manage user permissions and access to specific features.

Non-Functional Requirements

Usability:

- The system must provide an intuitive and user-friendly interface for medical researchers.
- The system must include clear documentation, tooltips, and help resources for users to understand its mapping features and functionalities.

Performance:

- The system must process and map clinical text within a reasonable time frame to support efficient research workflows.
- The system should maintain its performance even when dealing with complex or large input data sets from diverse clinical sources in the future.

Scalability:

- The system should accommodate an increasing number of users and data without degrading performance.
- The system may be designed with a modular architecture to support future enhancements, such as integration with additional mapping tools or clinical databases.

Availability:

- The system must be highly available to minimize downtime and support user access at all times.
- The system must include monitoring and alerting mechanisms to detect and address potential issues.

Reliability:

- The system must ensure data integrity and consistency in processing and storing clinical text and mapping results.
- The system must provide error handling and recovery mechanisms to minimize disruptions in case of failures.

Security:

- The system must follow industry-standard security practices to protect sensitive data and user information.
- The system must undergo regular security audits and vulnerability assessments to identify and address potential risks.

Maintainability:

- The system must be easy to maintain, with well-organized code, documentation, and version control.
- The system must provide mechanisms for easy troubleshooting, bug fixes, and feature updates.

Compliance:

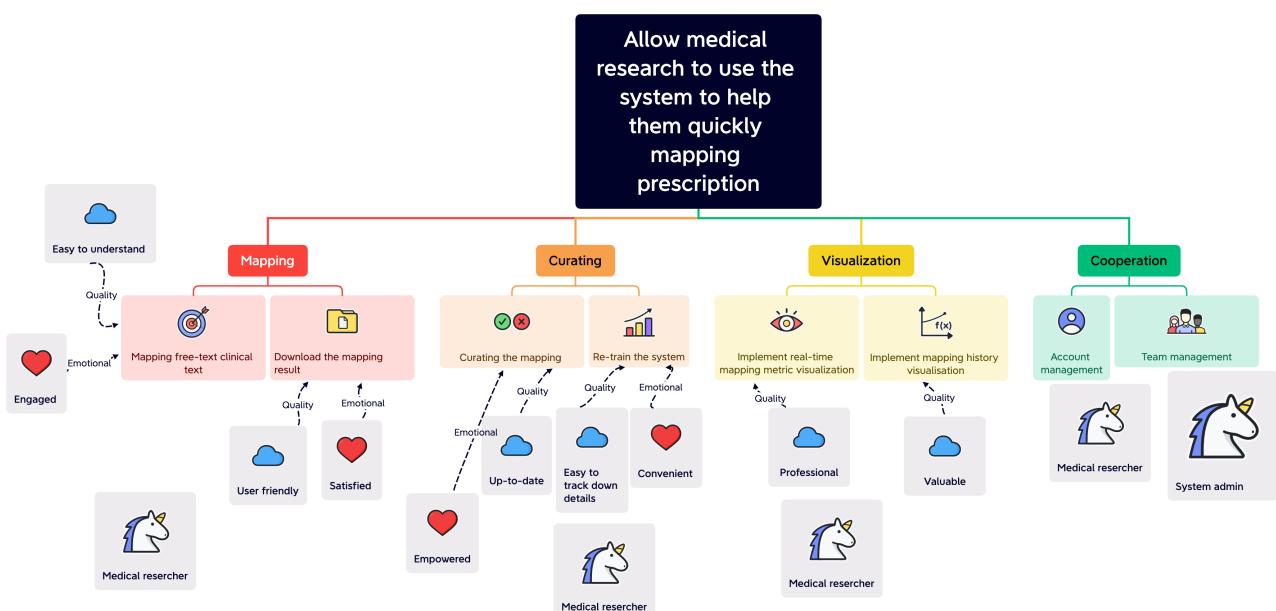
- The system must comply with all relevant industry standards, guidelines, and data privacy and security regulations.
- The system must maintain proper records and documentation to demonstrate compliance with regulatory requirements.

Motivational Model

Do-Be-Feel-Who List

Do(Functional Goal)	Be (Quality Goal)	Feel(Emotional Goal)	Who(Roles)
Map the free-text clinical text	Easy to understand	Engaged	Medical researcher
Download the mapping results	User friendly	Satisfied	System Admin
Curate the incorrect mapping results	Up-to-date	Empowered	
Re-train the system use the curated data	Easy to track down details	Convenient	
Implement real-time mapping metric visualisation	Professional		
Implement mapping history visualisation	Mapping results should be valuable		
Account management			
Team management			

Custom Goal Model



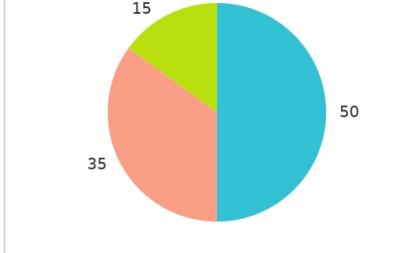
Presented with xmind

Personas

NAME Summer Taylor	MARKET SIZE  30 %	TYPE Rational
	<p>Background</p> <p>Summer is a health informatics professional with a background in public health research. She has a passion for leveraging data and technology to improve health outcomes for patients. In her current role, Summer is responsible for researching and analyzing healthcare data to inform policy decisions related to medication prescribing practices.</p>	
Demographic	<p><input checked="" type="radio"/> Female 30 years</p> <p><input type="checkbox"/> Australia</p> <p>Single</p> <p>Occupation: Digital Health Researcher</p> <p>Education: Master's degree in Health informatics</p>	
Technology	<ul style="list-style-type: none">         	
Browsers	 Google Chrome  Safari	
	Motivations	Frustrations
	<ul style="list-style-type: none"> Passionate about improving patient care and reducing the potential harm caused by inappropriate medication prescribing. Committed to advancing the field of digital health research through innovative technology solutions and evidence-based research. Driven by a desire to make a positive impact on the healthcare industry and improve the lives of patients around the world. 	<ul style="list-style-type: none"> Limited access to comprehensive patient data, which can make it difficult to accurately assess the appropriateness of a medication prescription. Resistance from healthcare providers to adopt new technology tools and practices, which can slow down progress towards improving medication prescribing practices. Limited funding for research and innovation, which can hinder the development of new solutions for improving patient care.
	Brands and influencers	
	 	

NAME Dr. John Kim	MARKET SIZE 20 %	TYPE Guardian
	Background Dr. John Kim is a clinical informatics specialist with extensive experience in healthcare technology and clinical documentation. He has a passion for improving patient care through the effective use of technology and data-driven solutions. In his current role, Dr. Kim is responsible for implementing and optimizing electronic health record systems to improve clinical documentation and data management.	
Demographic Male 38 years Melbourne, Australia Married Occupation: Clinical Informatics Specialist Education: Doctor of Medicine, Master's degree in Health Informatics	Goals <ul style="list-style-type: none">To use the medication assessment platform to improve the accuracy and completeness of clinical documentation.To collaborate with healthcare providers and digital health researchers to develop and implement NLP techniques for extracting structured and actionable information from free-text clinical notes.To improve patient care and outcomes by leveraging technology to facilitate effective communication and decision-making among healthcare providers.	
Technology 	Motivations <ul style="list-style-type: none">Dr. Kim is motivated by his passion for using technology to improve patient care and outcomes.He is also driven by a desire to facilitate effective communication and collaboration among healthcare providers and to ensure that patients receive the best possible care.	Frustrations <ul style="list-style-type: none">Limited resources and time to implement and optimize electronic health record systems and NLP techniques for clinical documentation.Variations in terminology, abbreviations, and linguistic structures in free-text clinical notes, which can lead to inaccuracies and inconsistencies when mapping extracted information to standardised medical terms.
Browsers 	Behaviour <ul style="list-style-type: none">Dr. Kim is highly knowledgeable about healthcare technology and data management practices.He stays up-to-date on the latest developments in NLP techniques for clinical documentation and is always looking for new and innovative ways to improve patient care.He collaborates closely with healthcare providers and digital health researchers to identify opportunities for improvement and develop evidence-based solutions.	
	Brands and influencers 	



NAME Kelly Underwood	MARKET SIZE 15 %	TYPE Idealist								
	<p>Background</p> <p>Kelly is a PhD student at Cambridge University, where she specializes in clinical medicine. Kelly's current research focuses on the accuracy of clinical medicine and the potential for future improvements. She needs a tool to provide data and improvement measures.</p>									
Demographic	Motivations	Frustrations								
<ul style="list-style-type: none"> 📍 Female 27 years 📍 United Kingdom Married Occupation: PhD student in Clinical Medicine Education: PhD in Clinical Medicine program in the University of Cambridge, Master's degree of Clinical Medicine in the University of Cambridge 	<p>When she pursued her research in clinical medicine, she discovered that many doctors were prescribing the wrong medication to their patients. As a result, she needed a platform that could assess whether medications were being prescribed appropriately to patients in order to understand why and fix the problem.</p> <p>Our platform can provide Kelly with a lot of help. For example, it helps her to simply determine whether a prescription is appropriate or not. And, it can also help her see tabulated data about the prescription in some databases.</p>	<p>Some physicians' notes are meaningless and cannot be valid data. It is troublesome to eliminate these data.</p>								
Technology	<p>Chart</p>  <table border="1"> <thead> <tr> <th>Data Type</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Valid data</td> <td>50</td> </tr> <tr> <td>Invalid data</td> <td>35</td> </tr> <tr> <td>Very valid data</td> <td>15</td> </tr> </tbody> </table>		Data Type	Percentage	Valid data	50	Invalid data	35	Very valid data	15
Data Type	Percentage									
Valid data	50									
Invalid data	35									
Very valid data	15									
Browsers	<p>Brands and influencers</p> <p> UNIVERSITY OF CAMBRIDGE</p> <p>UNIVERSITY OF CAMBRIDGE Study at Cambridge About the University</p> <p>/ School of Clinical Medicine</p> <p>School of Clinical Medicine</p>									



User Stories

User Story

Epic	As a	I want to	So That	Size Estimation	MoSCow Priority	Story point
Map free-text clinical text	medical researcher	map the short text into certain or multiple categories in a universal indication list	I do not need to map the text manually.	L	must have	5
		download the mapping results	I can save the mapping history and view it in the future.	S	should have	3
		view the possible categories on each mapped item	I can make decisions about the most appropriate category for the term.	M	must have	5
Curate the mapping and re-train the system	medical researcher (curator)	identify the unrecognized result	I can ensure that the mapping result is accurate and complete.	M	must have	5
		filter the possible incorrect mapping result by the confidence range	I can judge the possible incorrect mappings by myself.	M	must have	8
		curate the incorrect mapping results by correcting the data	I can give feedback to the system and retrain it.	M	must have	3
		see a list of category options while curating the data	I can choose the correct category for the incorrect mapping.	S	should have	1
		re-train the system using the curated data	I can make the system have a better mapping performance in the future.	L	must have	5
		test the updated system	I can ensure that the mapping is improved.	M	could have	5
Implement real-time mapping metric visualization	medical researcher	have a real-time dashboard to display the mapping metrics	I can review and analyze mapping results.	L	must have	8
		view the successful mapping rate and number of mapped items	I can assess the performance of the mapping tool accurately.	S	should have	5
		view the overall confidence	I can know the performance of the model.	S	should have	3
		view the specific performance of each category	I can know the model performance among different categories.	M	could have	5
		view the proportion of each category	I can know the distribution of different categories.	S	could have	5
Implement mapping history visualization	medical researcher	visualize the history of the mapping performance	I can measure the mapping quality	XL	must have	8
		filter the mapping history by date range	I can quickly find the mapping history	S	could have	1
		filter the mapping history by user	I can quickly find the mapping history of a specific team member	S	could have	1
Manage account	medical researcher	login to my account	I can be identified by the system for curating.	S	must have	3
		edit my personal information	I can update my roles and responsibilities.	S	could have	2
	admin user	add an account to the system	I can give other people access to the system.	S	should have	1
Manage team	medical researcher	view other users' previous mapping task	I can check their mapping results and performance.	M	should have	3
	admin user	add the account to a team	I can let people on the same team work together.	S	could have	1
		delete a member from a team	I can remove a member's privileges in a team.	S	could have	1

All of these user stories are not generated by ChatGPT.

Use Cases

Use Case 1: Map Free-Text Clinical Text to Categories

Rationale:

A medical researcher wants to map the short clinical text into certain or multiple categories in a universal indication list, automating the process and reducing manual effort.

Preconditions:

1. The user has access to the clinical text mapping system.
2. A universal indication list is available and integrated with the system.
3. The clinical text to be mapped is provided in a suitable format.

Steps:

1. The user inputs the free-text clinical text into the system.
2. The system processes the text and identifies possible categories from the universal indication list.
3. The system presents the suggested categories to the user.
4. The system maps the clinical text to the selected categories.
5. The user has the option to download the mapping results to save the mapping history and view it in the future.
6. The user can view the possible categories for each mapped item, allowing them to make decisions about the most appropriate category for the term.

Alternative Paths:

1. If the system is unable to suggest appropriate categories, the user can manually search for and select categories from the universal indication list.
2. If the user needs to review or change the mapped categories later, they can access the mapping history and make updates.

Postcondition:

The clinical text is successfully mapped to one or multiple categories in the universal indication list, and the user can download the results and view possible categories for each mapped item.

Use Case 2: Curate the Mapping Results

Rationale

The purpose of this module is to provide a mechanism for the user to correct any misclassifications made by the system when mapping free-text clinical data to different categories. The module is designed to provide a way for the user to review and curate the unrecognized and possible incorrect mappings so that the system can learn from this feedback and improve its accuracy over time.

Preconditions

1. The user has access to the clinical text that needs to be mapped.
2. The system has already processed the clinical text and generated a set of preliminary mappings.
3. The system has identified at least one original text that fails to be mapped to a certain category or the user has identified at least one mapping that they believe to be incorrect.

Steps

1. The module displays a list of the mappings that the users believe to be incorrect by filtering the confidence range or the mapping status.
2. The module displays the text that was mapped, along with the current mapping and the confidence score for that mapping.
3. The user can review the text and the current mapping, and can then choose to either correct the mapping or leave it unchanged.
4. If the user chooses to correct the mapping, the module displays a list of categories that the text could be mapped to.
5. The user selects the correct category from the list, and the module updates the mapping accordingly.
6. The user can repeat steps 2-7 for any other mappings that they believe to be incorrect.
7. When the user is finished reviewing and curating the mappings, they can submit their changes to the system.
8. The system uses the curated data to retrain its model, in order to improve the accuracy of future mappings.

Alternative Paths

1. If the user does not identify any mappings that they believe to be incorrect, they can simply close the module without making any changes.
2. If the user encounters any technical issues or errors while using the module, they can contact technical support for assistance.

Postconditions

1. The mappings have been reviewed and curated by the user, with any incorrect mappings corrected and any missing mappings added.
2. The curated data has been submitted to the system for retraining the mapping model.
3. The system has been improved with the curated data, leading to increased accuracy in future mappings.

Use Case 3: Real-Time Dashboard for Clinical Text Mapping Metrics

Rationale:

The real-time dashboard module is designed to provide stakeholders with a visual representation of the mapping performance in real time. It allows users to monitor the accuracy and efficiency of the mapping process, and make any necessary adjustments to improve the system's performance.

Preconditions:

- The clinical text mapping system is up and running.
- The real-time dashboard module is installed and connected to the mapping system.
- There is a database containing the mapping metrics data.

Steps:

1. Open the real-time dashboard module and log in.
2. The dashboard displays the overall mapping metrics, including the successful mapping rate and the number of mapped items.
3. The dashboard also displays the overall confidence level of the system in mapping the text.
4. Users can click on a specific category to view the performance of the mapping tool for that category.
5. The dashboard displays the proportion of each category in the mapped items.
6. Users can apply filters to view the mapping history by user or date range.
7. If the mapping performance is unsatisfactory, users can click on the specific category to view the individual items that were mapped incorrectly.
8. Users can manually correct the mapping for any incorrect items and update the mapping system with the new data.
9. The mapping system will re-train the machine learning model based on the corrected mapping data.
10. The user can download the mapping metrics data for further analysis.

Alternative Paths:

- If the mapping system is not running or the real-time dashboard module is not connected, an error message will be displayed.
- If the user does not have the necessary permissions, they will not be able to access the real-time dashboard module.
- If there are no incorrectly mapped items, the correction step (steps 7 and 8) will not be necessary.

Postconditions:

- The real-time dashboard module displays the mapping metrics data, allowing users to monitor the accuracy and efficiency of the mapping system.
- Users can manually correct any incorrectly mapped items, and feed them back into the system to improve the accuracy of the mapping tool.
- The mapping system re-trains the machine learning model based on the corrected mapping data.
- The mapping metrics data can be downloaded for further analysis.

Use Case 4: Visualise the history of the mapping performance

Rationale:

This is one of the key functional requirements of the project. Medical researchers need the system to show the historical mapping performance so that they can measure if the system is improving its accuracy.

Preconditions:

- Medical researchers have accounts of the system
- The system have the mapping short text into terms implemented
- The user has at least one mapping result
- (Optional)The system can be retrained by curating the mapping results manually.

Steps:

1. The user successfully logs in the system
2. The user clicks the mapping history button on the side navigation bar

Alternative Paths:

- If the user has no mapping result before, the page will show empty
- If the user does not have permission to watch the mapping history, then the user cannot see the performance

Postconditions:

- The user can see the overall training time
- The user can see the current curate rate and mapping failure rate
- The user can see the performance change over time

Use Case 5: Filter the mapping history by user and date range

Rationale:

This is a simple filter use case that allows the user to retrieve the mapping history of a specific person so that the team members can follow up with other team members' mapping

Preconditions:

- The User successfully login
- The user is in a team
- The user has access to see other user's mapping
- Other user has mapping result

Steps:

1. User login
2. User clicks the mapping history button on the side navigation bar, so the user can see a list of mapping history
3. The list shows the latest mapping history on the top
4. The user can filter those mapping histories by selecting the date and other users

Alternative Paths:

- If the team does not have any mapping history, the mapping history page will be a blank page
- If the user does not allow to see the mapping history, then the user cannot see any mapping history

Postconditions:

- The user can filter the mapping history in the order of date
- The user can filter the mapping history of specific users

Use Case 6: Perform account operations for a medical researcher

Rationale:

A medical researcher wants to log in to the account, edit personal information, and then view other users' previous mapping tasks.

Preconditions:

1. Users have available accounts.
2. The username and password entered are accurate and matched.
3. The system holds the user's personal information.
4. Other users have mapping history.

Steps:

1. The user enters the login interface of the system.
2. The user enters a username and password.
3. The user clicks the login button.
4. The system prompts the user to log in successfully and jumps to the main interface.
5. The user enters the account interface.
6. The system displays the user's personal information.
7. The user modifies personal information and submits it.
8. The user enters the History Stats screen.
9. The system displays other users' previous mapping tasks.

Alternative Paths:

1. If the user enters an incorrect or mismatched username and password, the system will ask the user to re-enter it.
2. If the user's modified personal information does not match the rules, the system will ask the user to re-enter it.
3. If there are no mapping tasks for other users, the system will display an empty screen.

Postconditions:

- After the user has viewed other users' previous mapping tasks, the user can make corrections to other users' mapping results.

Use Case 7: Perform account operations for an Admin User

Rationale:

Rationale:

An admin user wants to add an account to the system, add the account to a team, and then delete a member from a team.

Preconditions:

1. The admin user enters the correct and matching username and password on the login screen.
2. The system shows that the admin user has logged in successfully.
3. The system provides functions for the team.

Steps:

1. The admin user clicks the Create User button.
2. The system displays the Create User interface.
3. The admin user enters the user's information and submits it.
4. The system shows that the user has been created successfully.
5. The admin user enters the user interface of the created user.
6. The admin user adds the user to a team.
7. The system displays that the user joined the team successfully.
8. The admin user enters the team interface and selects a user.
9. The admin user clicks the Remove User button.
10. The system shows that the user was successfully removed from the team.

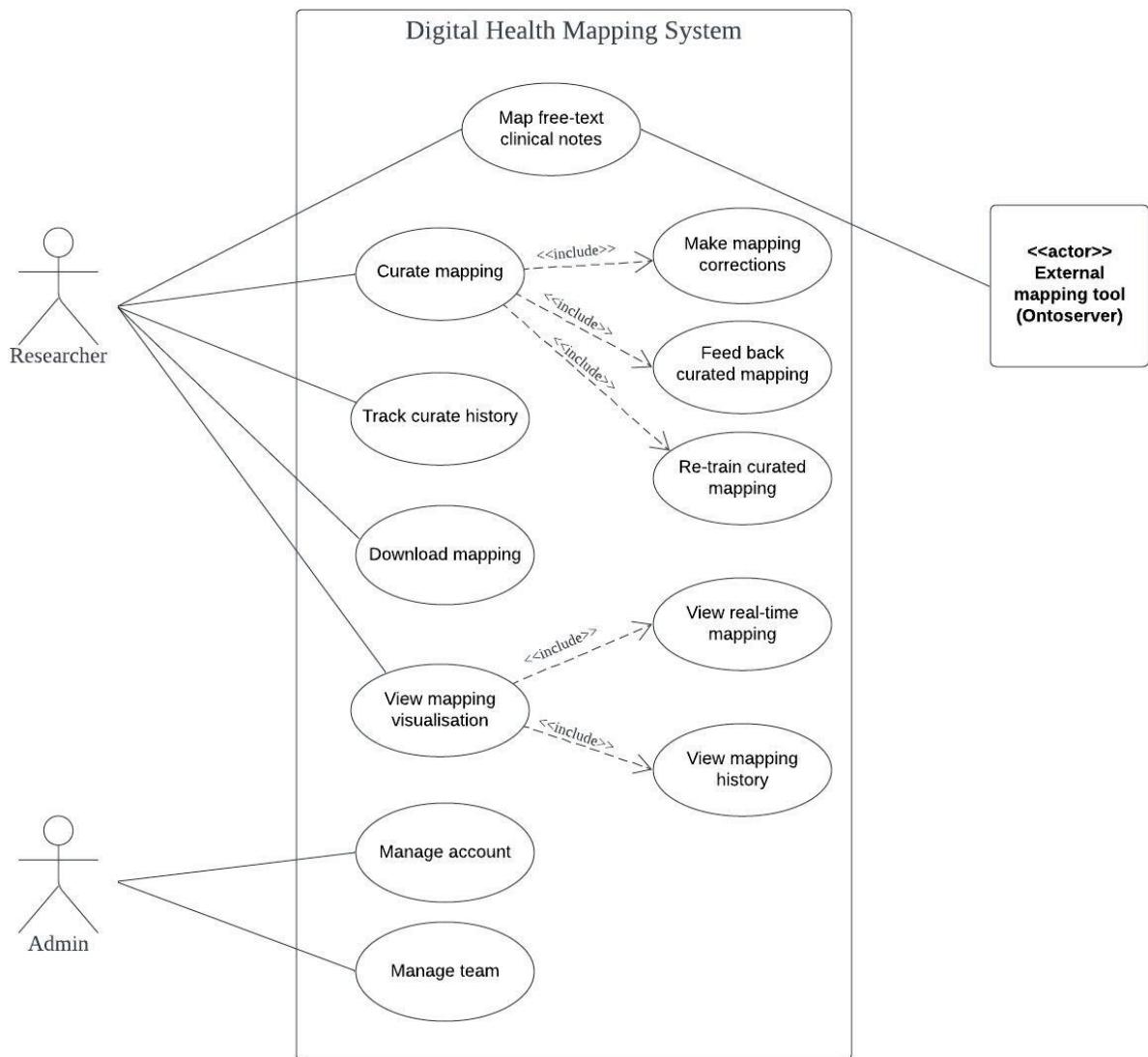
Alternative Paths:

1. If the user information entered does not match the rules, the admin user needs to re-enter the information.
2. If the user wants to join a team that does not exist, the admin user needs to create a team first.
3. If the team that the user wants to join is full, the user will not be able to join.

Postconditions:

- Users on the same team will be able to start collaborating on mapping.

Overall Use Case Diagram



Digital Prototype

Log in

The login screen features a header with three dots and the URL 'mapping.com'. Below it is a title 'Mapping' in blue. A 'Log in' form contains fields for 'Username' (Kunxi Sun) and 'Password' (represented by a series of asterisks). There is a 'Forgot password?' link and a large blue 'Log In' button.

Main

The main interface has a header with three dots and 'mapping.com'. On the left is a sidebar with 'Mapping' (selected), 'Main' (highlighted), 'History Stats', and 'Account'. The main area shows 'Select the Mode' with 'Inference' selected. It includes a file upload section ('Drag your file here or [Browse](#)') and a text input field ('Or input a short text for test'). A 'Map' button is at the top right. On the right, a user profile for 'Daniel' shows 'Your profile' and 'Sign out'. Below the main area, the text 'Mapping Result: Term 1' is displayed.

Inference Mode

mapping.com

Mapping

- Main
- History Stats
- Account

Inference Training

Original Text Mapping Category

Perianal abscess 1	Some Category 1
???????????????	-
Perianal abscess 1	Some Category 1
Perianal abscess 1	Some Category 1
Perianal abscess 1	Some Category 1
Perianal abscess 1	Some Category 1
Perianal abscess 1	Some Category 1
Perianal abscess 1	Some Category 1
???????????????	-

< 1 2 3 4 5 ... 60 >

Export

Daniel

mapping.com

Mapping

- Main
- History Stats
- Account

Inference Training

Original Text Mapping Category

Perianal abscess 1	Some Category 1
???????????????	-
Perianal abscess 1	Some Category 1
Perianal abscess 1	Some Category 1
Perianal abscess 1	Some Category 1
Perianal abscess 1	Some Category 1
Perianal abscess 1	Some Category 1
Perianal abscess 1	Some Category 1
Perianal abscess 1	Some Category 1
???????????????	-

< 1 2 3 4 5 ... 60 >

Do you confirm to export the CSV file?

Export

Daniel

Training Mode

mapping.com

Mapping

- Main
- History Stats
- Account

Inference Training

Mapping Status Confidence Range 90% Filter Reset

Original Text	Mapping Category	Curated Category	Mapping Status	Confidence	Actions
Perianal abscess 1	Some Category 1	Some Category 2	Success	79%	<input type="button" value="Edit"/> <input type="button" value="View"/>
???????????	-	● not yet curated	Fail	-	<input type="button" value="Edit"/>
Perianal abscess 1	Some Category 1	Body lice	Success	48%	<input type="button" value="Save"/> <input type="button" value="Cancel"/>
a very very very long t...	Some Category 1	Bone and Joint	Success	65%	<input type="button" value="Edit"/> <input type="button" value="View"/>
Perianal abscess 1	Some Category 1	Skin	Success	75%	<input type="button" value="Edit"/> <input type="button" value="View"/>
Perianal abscess 1	Some Category 1	Eye	Success	79%	<input type="button" value="Edit"/> <input type="button" value="View"/>
Perianal abscess 1	Some Category 1	Dental	Success	79%	<input type="button" value="Edit"/> <input type="button" value="View"/>
Perianal abscess 1	Some Category 1	Urinary tract	Success	79%	<input type="button" value="Edit"/> <input type="button" value="View"/>
Perianal abscess 1	Some Category 1	Body lice	Success	79%	<input type="button" value="Edit"/> <input type="button" value="View"/>
Perianal abscess 1	Some Category 1	Acre	Success	65%	<input type="button" value="Edit"/> <input type="button" value="View"/>
Perianal abscess 1	Some Category 1	Body lice	Success	75%	<input type="button" value="Edit"/> <input type="button" value="View"/>
Perianal abscess 1	Some Category 1	Cellulitis	Success	79%	<input type="button" value="Edit"/> <input type="button" value="View"/>
Perianal abscess 1	Some Category 1	Dermatitis	Success	79%	<input type="button" value="Edit"/> <input type="button" value="View"/>
Perianal abscess 1	Some Category 1	Erysipelas	Success	79%	<input type="button" value="Edit"/> <input type="button" value="View"/>

Re-train

< 1 2 3 4 5 ... 60 >

Daniel

Mapping

Inference Training

Mapping Status: Select Confidence Range: 80%

Original Text	Mapping Category	Curated Category	Mapping Status	Confidence	Actions
Perianal abscess 1	Some Category 1	Some Category 2	Success	79%	
?????????	-	Some Category 2	Success	48%	
Perianal abscess 1	Some Category 1	Some Category 3	Success	65%	
Perianal abscess 1	Some Category 1	Some Category 3	Success	79%	
Perianal abscess 1	Some Category 1	Some Category 3	Success	79%	
Perianal abscess 1	Some Category 1	Some Category 3	Success	79%	

Re-train 1 2 3 4 5 ... 60 >

**Do you confirm to retrain the System?
Please check you have curated all the data**

Cancel Confirm

Mapping

Inference Training

Mapping Status: Select Confidence Range: 80%

Original Text	Mapping Category	Curated Category	Mapping Status	Confidence	Actions
Perianal abscess 1	Some Category 1	Some Category 2	Success	68%	
?????????	-	Some Category 2	Success	13%	
Perianal abscess 1	Some Category 1	Some Category 3	Success	8%	
Perianal abscess 1	Some Category 1	Some Category 3	Success	7%	
Perianal abscess 1	Some Category 1	Some Category 3	Success	4%	
Perianal abscess 1	Some Category 1	Some Category 3	Success	3%	
Perianal abscess 1	Some Category 1	Some Category 3	Success	2%	

Re-train

View Detail

Original Text: Perianal abscess 1
Mapped Category: Term 1

Confidence

Category

Mapping

Inference Training

Mapping Status: Select Confidence Range: 80%

Original Text	Mapping Category	Curated Category	Mapping Status	Confidence	Actions
Perianal abscess 1	Some Category 1	Some Category 2	Success	325	
?????????	-	Some Category 2	Success	55	
Perianal abscess 1	Some Category 1	Some Category 3	Success	85.52%	
Perianal abscess 1	Some Category 1	Some Category 3	Success	67.62%	
Perianal abscess 1	Some Category 1	Some Category 3	Success	24%	
Perianal abscess 1	Some Category 1	Some Category 3	Success	21%	
Perianal abscess 1	Some Category 1	Some Category 3	Success	11%	
Perianal abscess 1	Some Category 1	Some Category 3	Success	8%	
Perianal abscess 1	Some Category 1	Some Category 3	Success	5%	
Perianal abscess 1	Some Category 1	Some Category 3	Success	1%	

Re-train

Overall Performance

Total Mapping Text: 380

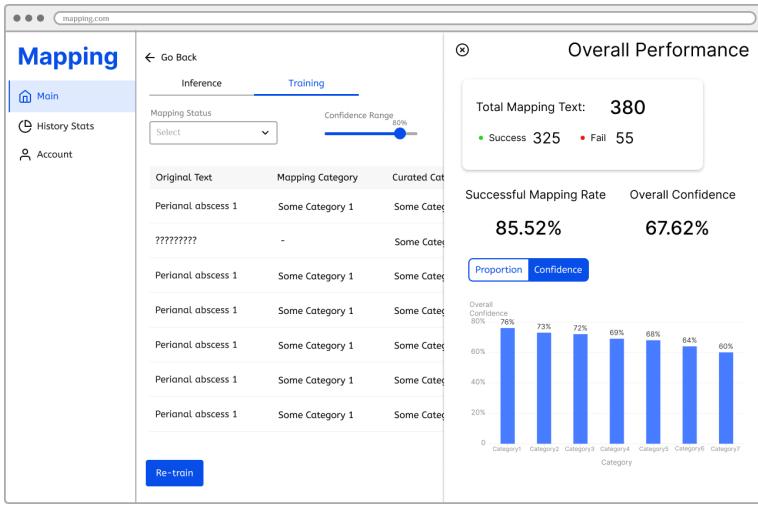
Success 325 Fail 55

Successful Mapping Rate: 85.52% Overall Confidence: 67.62%

Proportion Confidence

Proportion of Each Category

- Category 4: 1%
- Category 5: 5%
- Category 2: 8%
- Category 7: 11%
- Category 3: 21%
- Category 1: 24%
- Category 6: 30%



Retrain History

Retrain History

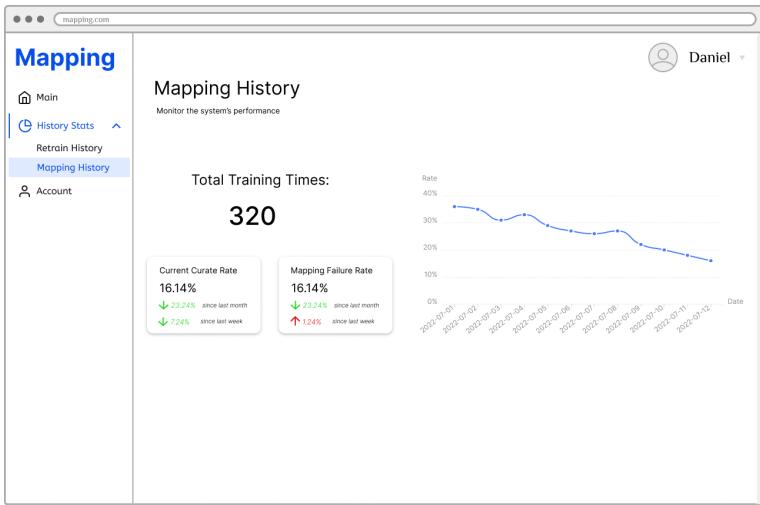
Mapping ID	Retrained By	Retrained At	Curate Number	Actions
1	Daniel	2023-03-18 13:37	8	🔗
2	Daniel	2023-03-18 13:37	10	🔗
3	Daniel	2023-03-18 13:37	10	🔗
4	Daniel	2023-03-18 13:37	10	🔗
5	Daniel	2023-03-18 13:37	10	🔗
6	Daniel	2023-03-18 13:37	10	🔗
7	Daniel	2023-03-18 13:37	10	🔗
8	Daniel	2023-03-18 13:37	10	🔗

Curating Details

Curated By Daniel at 2023-03-18 13:37
The total number of curation is 8

Curation ID	Original Text	Mapped Category	Curated to
1	Perianal abscess 1	Category 1	Category 4
2	?????????????	-	Category 4
3	Perianal abscess 1	Category 1	Category 4
4	Perianal abscess 1	Category 1	Category 4
5	Perianal abscess 1	Category 1	Category 4
6	Perianal abscess 1	Category 1	Category 4
7	Perianal abscess 1	Category 1	Category 4
8	Perianal abscess 1	Category 1	Category 4

Mapping History



Profile

Edit Profile

First Name: Hanyi Last Name: Gao

Username: Hanyigl

Email: Hanyigl@student.unimelb.edu.au

Buttons: Update Details, Change Password

Edit Profile

First Name: Hanyi Last Name: Gao

Username: Hanyigl

Email: Hanyigl@student.unimelb.edu.au

Change Password Modal:

Current Password	*****
New Password	*****
Confirm Password	*****

Buttons: Cancel, Update

Team Management (Admin only)

mapping.com

Mapping

Main History Stats Account Team Management

Add Member

+ New User Group

All members

Not Allocated Research Group Curate Group Normal User

Daniel

Name User Group Last Login Role

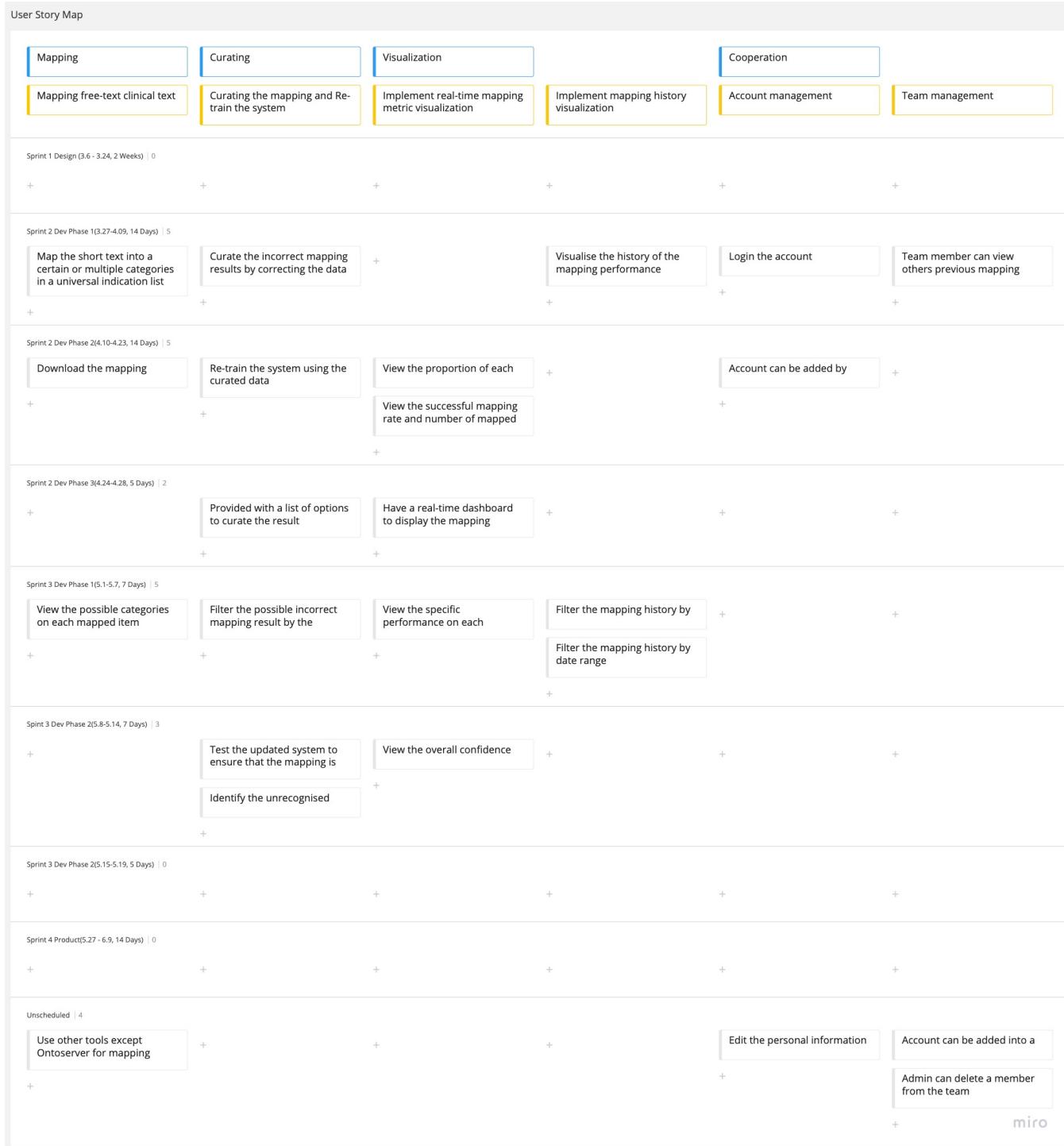
Name	User Group	Last Login	Role
XXXX XXX XXXX@GMAIL.COM	CURATE	2022-12-12 12:00	OWNER
XXXX XXX XXXX@GMAIL.COM	RESERCH/ CURATE	2022-12-12 12:00	MEMBER
XXXX XXX XXXX@GMAIL.COM	RESERCH/ NORMAL	2022-12-12 12:00	MEMBER
XXXX XXX XXXX@GMAIL.COM	RESERCH/ NORMAL	2022-12-12 12:00	MEMBER
XXXX XXX XXXX@GMAIL.COM	NORMAL	2022-12-12 12:00	MEMBER
XXXX XXX XXXX@GMAIL.COM	-	2022-12-12 12:00	MEMBER

Search member

Product Backlog

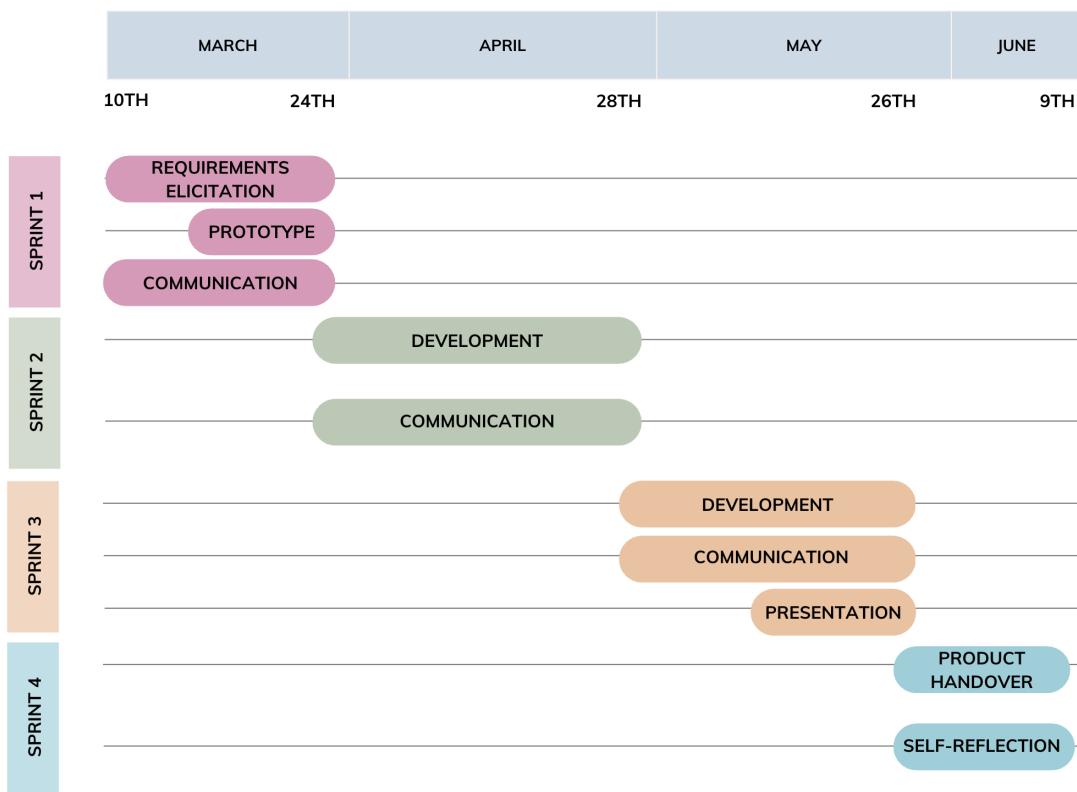
User Story Map Framework

Version by end of Sprint 1 (24/03/23)



Timeline

Canva Design on Timeline



Sprint 1 - Design Sprint

Roles and Responsibility

Name	Preferred Name	Role	Responsibility
Kunxi Sun	Quincy	Product Owner	<ul style="list-style-type: none">• Manage the product backlog• Prototype Design• Github repository setup and management
Chenyang Dong	Peter	Scrum Master	<ul style="list-style-type: none">• Responsible for ensuring that the Scrum framework is followed• Negotiation and communication with Client and Supervisor
Hanyi Gao	Henry	Development Team Member	<ul style="list-style-type: none">• Prototype Design• Determine the architectural decisions
Yulai Luo	Ricardo	Development Team Member	<ul style="list-style-type: none">• Verify that the documents meet the standards and guidelines• Meeting Minutes
Yue Fei	Molly	Development Team Member	<ul style="list-style-type: none">• User experience on prototype• Review the task

Planning

Task	Complete?
Contact Client	<input checked="" type="checkbox"/>
User Stories	<input checked="" type="checkbox"/>
Initial system architecture	<input checked="" type="checkbox"/>
Development Environment Plan	<input checked="" type="checkbox"/>
Summarise Functional & Non-functional Requirements	<input checked="" type="checkbox"/>
The motivational model <u>agreed with the client</u>	<input checked="" type="checkbox"/>
Role assignments during the inception	<input checked="" type="checkbox"/>
Meeting minutes all the time	<input checked="" type="checkbox"/>
Technologies being considered include deployment platform	<input checked="" type="checkbox"/>

Personas	<input checked="" type="checkbox"/>
Product Backlog on Trello	<input checked="" type="checkbox"/>
Github initialization	<input checked="" type="checkbox"/>
Reviews of Tasks on Trello	<input checked="" type="checkbox"/>
Digital Prototype	<input checked="" type="checkbox"/>
Sprint 2/3 Role Assignment	<input checked="" type="checkbox"/>

Sprint 2 - Development

Roles and Responsibility

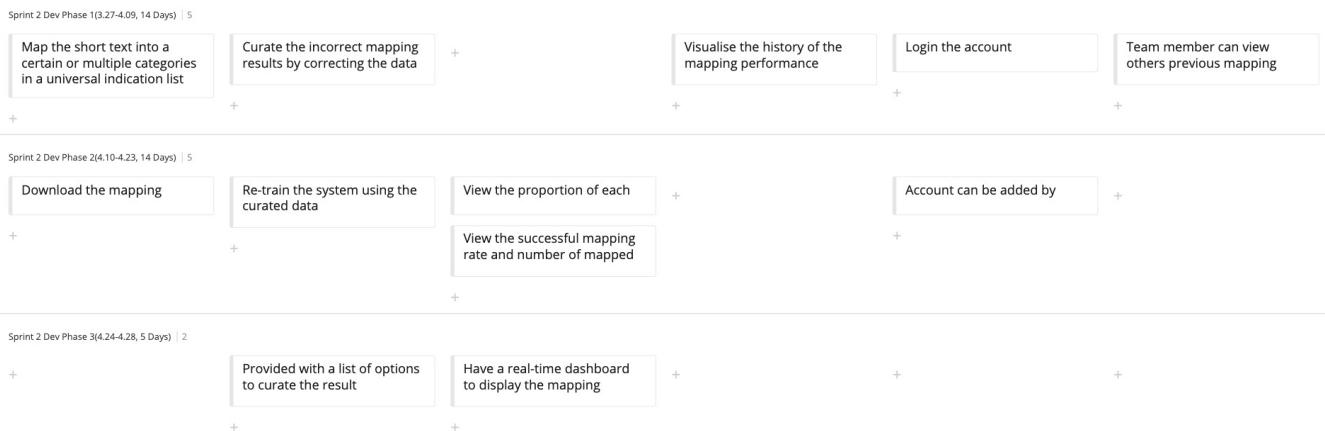
Name	Preferred Name	Role	Responsibility
Kunxi Sun	Quincy	Product Owner	<ul style="list-style-type: none">Ensures the team delivers the most value to DanielBackend, Design, Operation
Chenyang Dong	Peter	Scrum Master	<ul style="list-style-type: none">Responsible for ensuring that the Scrum framework is followedFrontend, Backend
Hanyi Gao	Henry	Development Team Member	<ul style="list-style-type: none">Implements the systemFrontend, Testing, Design
Yulai Luo	Ricardo	Development Team Member	<ul style="list-style-type: none">Implements the systemFrontend, Backend, UX
Yue Fei	Molly	Development Team Member	<ul style="list-style-type: none">Implements the systemFrontend, Backend, UX

Planning

Techniques to use

- Backend: Python Flask, Nginx, Gunicorn, Docker, Ansible
- Frontend: React, HTML, JS, CSS, Ant Design
- Database: MongoDB
- Mapping tool: Ontoserver and other potential alternatives
- Technical Details**

Backlog (by end of Sprint 1 on 24/03/23)



Infrastructure for Deployment

- Server configuration**

Sprint 3 - Development

Roles and Responsibility

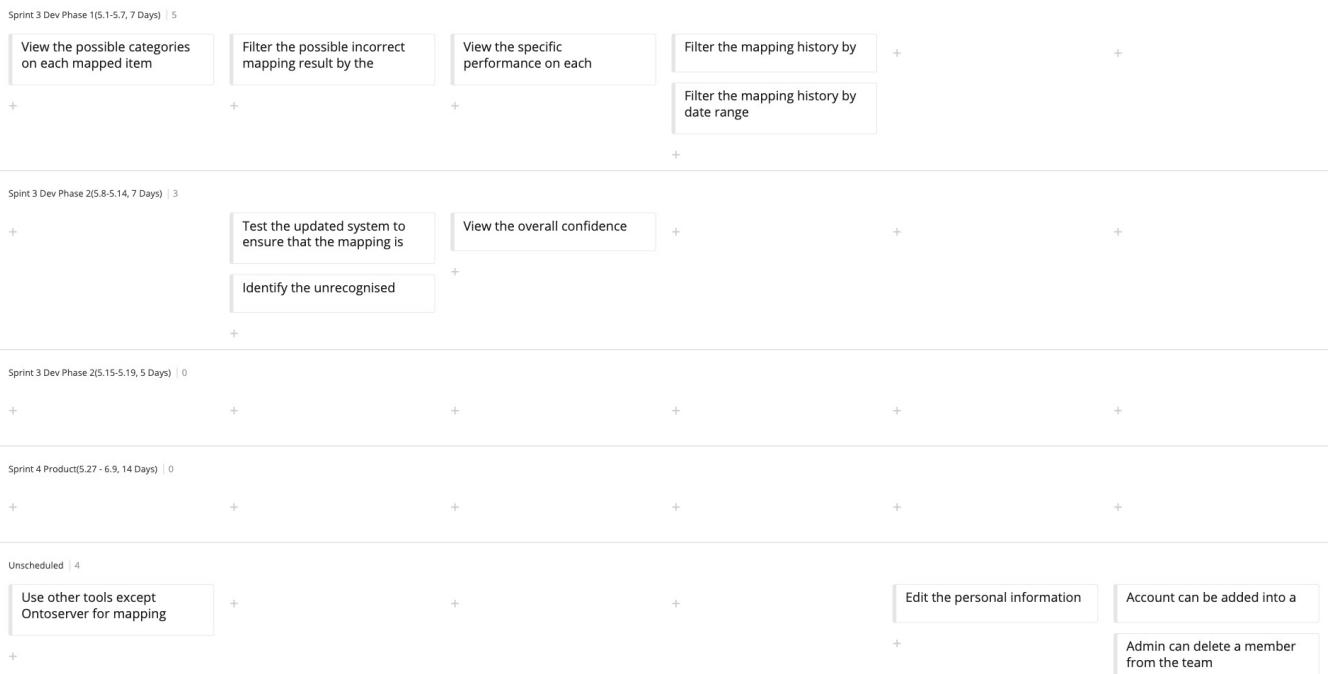
Name	Preferred Name	Role	Responsibility
Kunxi Sun	Quincy	Product Owner	<ul style="list-style-type: none">Ensures the team delivers the most value to DanielBackend, Design, Operation
Chenyang Dong	Peter	Scrum Master	<ul style="list-style-type: none">Responsible for ensuring that the Scrum framework is followedFrontend, Backend
Hanyi Gao	Henry	Development Team Member	<ul style="list-style-type: none">Implements the systemFrontend, Testing, Design
Yulai Luo	Ricardo	Development Team Member	<ul style="list-style-type: none">Implements the systemFrontend, Backend, UX
Yue Fei	Molly	Development Team Member	<ul style="list-style-type: none">Implements the systemFrontend, Backend, UX

Planning

Techniques to use

- Backend: Python Flask, Nginx, Gunicorn, Docker, Ansible
- Frontend: React, HTML, JS, CSS, Ant Design
- Database: MongoDB
- Mapping tool: Ontoserver and other potential alternatives
- Technical Details**

Backlog (by end of Sprint 1 on 24/03/23)



Infrastructure for Deployment

- [Server configuration](#)

Communications

Clients:

Name	Email
Daniel Capurro	dcapurro@unimelb.edu.au
Vlada Rozova	vlada.rozova@unimelb.edu.au
Mike Conway	mike.conway@unimelb.edu.au

Supervisor:

Name	Email
Mauro Mello Jr	mauro.mellojr@unimelb.edu.au

Team RedBack

Name	Email
Lang Cao	lancao@student.unimelb.edu.au
Mingjun Gao	mingjung1@student.unimelb.edu.au
Runzhe Hua	runzheh@student.unimelb.edu.au
Yanxi Ke	yake@student.unimelb.edu.au
Jiacheng Wang	jiacwang3@student.unimelb.edu.au

Emails with Clients

- 09-10/03/23 Arrange Kick-Off Meeting
- 10/03/23 After Kick-off Meeting
- 12-16/03/23 Follow-up on Weekly Meeting Details and Scheduling
- 17/03/23 Information Update After Weekly Meeting #1
- 20-23/03/23 Access to UIL
- 23/03/23 Access to Ontoserver

09-10/03/23 Arrange Kick-Off Meeting

 THE UNIVERSITY OF MELBOURNE	Chenyang Dong < doncd@student.unimelb.edu.au >
COMP90082 Industry Project Kick-Off Meeting 15 messages	
Chenyang Dong < doncd@student.unimelb.edu.au >	Thu, Mar 9, 2023 at 6:22 PM
To: dcapurro@unimelb.edu.au , влада.розова@унимелб.еду.ау Cc: mauro.mellojr@unimelb.edu.au , KUNXI SUN < kunxis@student.unimelb.edu.au >, Hanyi Gao < hanyig1@student.unimelb.edu.au >, Ricardo Luo < yulail1@student.unimelb.edu.au >, Yue Fei < yffei@student.unimelb.edu.au >	
<p>Dear Prof Daniel Capurro and Dr Vlada Rozova,</p> <p>My name is Chenyang Dong and I am a student at the University of Melbourne completing COMP90082 of the Master of Information Technology. I am representing the student project team (DI-BoxJelly) assigned to your 2023 Industry Project. Thank you for providing us the opportunity to contribute to your team by hosting this project. We are excited about working on this project with you and learning from you.</p> <p>We would like to organize the initial meeting to discuss the proposed project in more detail. Our proposed agenda items are: introductions; project overview/scope; expected deliverables/outcome; timelines; and our communications throughout the year. If you have any additional agenda items, please let me know. Our expectation is the meeting will last approximately 1 hour. Can you please confirm?</p> <p>Here are possible dates available for our team:</p> <ul style="list-style-type: none">• Friday 10 March at 1-3pm• Saturday and Sunday 11/12 March (if possible)• Monday 13 March at 10am-12pm• Tuesday 14 March at 12-3pm <p>Please let me know your preference or suggest alternatives.</p> <p>Given ongoing physical distancing restrictions, we anticipate most of our meetings will be virtual. When we schedule meetings, do you prefer Zoom, Teams, or another platform?</p> <p>Once the date/time is confirmed, I will send a calendar invite. If you want others from your team included, can you please forward their email addresses? To learn a little more about your project team, below are links to each of our LinkedIn profiles:</p> <ul style="list-style-type: none">• Chenyang Dong• Kunxi Sun• Yulai Luo• Yue Fei• Hanyi Gao <p>Again, thank you for hosting this project, and we look forward to meeting you soon and learning more about the project.</p> <p>Kind regards,</p> <p>Chenyang Dong</p> <p>COMP90082, Software Project, Master of Information Technology</p> <p>University of Melbourne</p> <p>0401783575</p> <p>doncd@student.unimelb.edu.au</p>	
Mauro Mello Jr < mauro.mellojr@unimelb.edu.au >	Thu, Mar 9, 2023 at 7:31 PM
To: Chenyang Dong < doncd@student.unimelb.edu.au >	

Hi Chenyang—

1. Meetings with clients should not be scheduled on weekends.

2. There are two teams working on the Digital Health (DI) project, and both project teams should attend the meeting at the same time with the clients. There should not be two meetings held separately. Discuss this with the team DI/RedBack and arrange for a single meeting with all present, as both teams will discuss how to proceed. If necessary, withdraw this message and issue an updated one, with all participants combined.

Regards,

Mauro Mello Jr

Supervisor

[Quoted text hidden]

Chenyang Dong <doncd@student.unimelb.edu.au> Thu, Mar 9, 2023 at 8:00 PM

To: Mauro Mello Jr <mauro.mellojr@unimelb.edu.au>

Thank you for your kind reply.

We will arrange time with the other team and update you as soon as possible.

Best Regards,

Chenyang Dong

From: Mauro Mello Jr <mauro.mellojr@unimelb.edu.au>

Sent: Thursday, March 9, 2023 7:31:24 PM

To: Chenyang Dong <doncd@student.unimelb.edu.au>

Subject: Re: COMP90082 Industry Project | Kick-Off Meeting

[Quoted text hidden]

Mauro Mello Jr <mauro.mellojr@unimelb.edu.au>

Thu, Mar 9, 2023 at 8:30 PM

To: Chenyang Dong <doncd@student.unimelb.edu.au>

Hi Chenyang—

That is part of the PDCA (plan-do-check-act) process that will take place throughout the semester and results in continuous learning.

Everything is a learning opportunity.

Regards,

Mauro Mello Jr

Supervisor

[Quoted text hidden]

Chenyang Dong <doncd@student.unimelb.edu.au>

Thu, Mar 9, 2023 at 8:54 PM

To: Mauro Mello Jr <mauro.mellojr@unimelb.edu.au>

Dear Mr. Mello,

Thank you for bringing this to our attention. We will make sure to avoid doing so in the future. Our team will be fully aware of PDCA process in the following semester.

Once again, thank you for your guidance and we will take your feedback into consideration moving forward.

Best Regards,

Chenyang Dong

From: Mauro Mello Jr <mauro.mellojr@unimelb.edu.au>

Sent: Thursday, March 9, 2023 8:30:18 PM

[Quoted text hidden]

[Quoted text hidden]

Mauro Mello Jr <mauro.mellojr@unimelb.edu.au>

Thu, Mar 9, 2023 at 9:02 PM

To: Chenyang Dong <doncd@student.unimelb.edu.au>

Hi Chenyang—

Good—always think about what you can learn from any and every situation in projects.

And just Mauro will do.

Regards,

Mauro Mello Jr

Supervisor

[Quoted text hidden]

Daniel Capurro <dcapurro@unimelb.edu.au>

Thu, Mar 9, 2023 at 10:35 PM

To: Vlada Rozova <vlada.rozova@unimelb.edu.au>, Chenyang Dong <doncd@student.unimelb.edu.au>

Cc: Mauro Mello Jr <mauro.mellojr@unimelb.edu.au>, KUNXI SUN <kunxis@student.unimelb.edu.au>, Hanyi Gao <hanyig1@student.unimelb.edu.au>, Ricardo Luo <yulail1@student.unimelb.edu.au>, Yue Fei <yffei@student.unimelb.edu.au>

Hi Chenyang, nice to meet you and thanks for the introductory email and great to meet the team as well.

I'm available tomorrow between 1:30-2:30pm, let's check if that works for Vlada too.

Cheers

Daniel

[Quoted text hidden]

Chenyang Dong <doncd@student.unimelb.edu.au>

Fri, Mar 10, 2023 at 12:57 AM

To: Daniel Capurro <dcapurro@unimelb.edu.au>

Cc: Vlada Rozova <vlada.rozova@unimelb.edu.au>, Mauro Mello Jr <mauro.mellojr@unimelb.edu.au>, KUNXI SUN <kunxis@student.unimelb.edu.au>, Hanyi Gao <hanyig1@student.unimelb.edu.au>, Ricardo Luo <yulail1@student.unimelb.edu.au>, Yue Fei <yffei@student.unimelb.edu.au>

Dear Daniel,

Thank you for your availability on Friday, March 10th between 1:30-2:30pm. We appreciate your flexibility and eagerness to get started on the Digital Health project.

We understand the importance of having all team members present for the kickoff meeting for your convenience. Therefore, we are currently negotiating with the other team to find a mutually convenient time for everyone, and we will keep you updated as soon as we have more information.

In the meantime, please let us know if there are any other times that might work for you, and we will do our best to accommodate your schedule.

Thank you again for your understanding and cooperation. We look forward to meeting with you soon.

Best regards,

Chenyang Dong

[Quoted text hidden]

Mauro Mello Jr <mauro.mellojr@unimelb.edu.au>

Fri, Mar 10, 2023 at 1:57 PM

To: Chenyang Dong <doncd@student.unimelb.edu.au>, KUNXI SUN <kunxis@student.unimelb.edu.au>, Hanyi Gao <hanyig1@student.unimelb.edu.au>, Ricardo Luo <yulail1@student.unimelb.edu.au>, Yue Fei <yffei@student.unimelb.edu.au>

Chenyang and team—

Excellent follow up to the first message, with a clear explanation of items and actions.

Regards,

Mauro Mello Jr
Supervisor

[Quoted text hidden]

Chenyang Dong <doncd@student.unimelb.edu.au>

Fri, Mar 10, 2023 at 2:08 PM

To: Daniel Capurro <dcapurro@unimelb.edu.au>, Vlada Rozova <[vlada.rozova@unimelb.edu.au](mailto:vлада.розова@унимелб.еду.ау)>
Cc: Mauro Mello Jr <mauro.mellojr@unimelb.edu.au>, KUNXI SUN <kunxis@student.unimelb.edu.au>, Hanyi Gao <hanyig1@student.unimelb.edu.au>, Ricardo Luo <yulail1@student.unimelb.edu.au>, Yue Fei <yffei@student.unimelb.edu.au>, Yanxi KE <yake@student.unimelb.edu.au>, Runzhe HUA <runzheh@student.unimelb.edu.au>, Jiacheng WANG <jiacwang3@student.unimelb.edu.au>, Mingjun GAO <mingjung1@student.unimelb.edu.au>, Lang Cao <lancao@student.unimelb.edu.au>

Dear Daniel and Vlada,

Thank you for your attention to the kickoff meeting for the Digital Health project. Unfortunately, it appears that we will not be able to hold the meeting today as previously planned, as we have not received confirmation of availability from Vlada.

In order to find a mutually convenient time for everyone, we have decided to use the "When2meet" website to help coordinate availability for you and both teams. This will allow us to easily see the best times for everyone involved and find a time that works for all parties. The link to the website is: [DI Kick-off Meeting - When2meet](#).

We kindly request that you can first fill out the availability on the website. Once we receive your availability, we will do our best to accommodate your time and schedule the kickoff meeting at a time that works for everyone as soon as possible.

For the initial meeting, we would like to discuss the proposed project in more detail. Our proposed agenda items are: introductions; project overview /scope; expected deliverables/outcome; timelines; and our communications throughout the semester. If you have any additional agenda items, please let us know. Our expectation is the meeting will last approximately 1 hour. Can you please confirm?

Once the date/time is confirmed, I will send a calendar invite. If you want others from your team included, could you please forward their email addresses?

Thank you for your understanding and cooperation. We look forward to meeting with you soon.

Best regards,

Chenyang Dong

[Quoted text hidden]

Daniel Capurro <dcapurro@unimelb.edu.au>

Fri, Mar 10, 2023 at 3:27 PM

To: Vlada Rozova <vlada.rozova@unimelb.edu.au>, Chenyang Dong <doncd@student.unimelb.edu.au>
Cc: Mauro Mello Jr <mauro.mellojr@unimelb.edu.au>, KUNXI SUN <kunxis@student.unimelb.edu.au>, Hanyi Gao <hanyig1@student.unimelb.edu.au>, Ricardo Luo <yulail1@student.unimelb.edu.au>, Yue Fei <yffei@student.unimelb.edu.au>, Yanxi KE <yake@student.unimelb.edu.au>, Runzhe HUA <runzheh@student.unimelb.edu.au>, Jiacheng WANG <jiacwang3@student.unimelb.edu.au>, Mingjun GAO <mingjung1@student.unimelb.edu.au>, Lang Cao <lancao@student.unimelb.edu.au>

Hi Chengyang, any chance we can meet today at 4pm?

Cheers

Daniel

[Quoted text hidden]

Chenyang Dong <doncd@student.unimelb.edu.au>

Fri, Mar 10, 2023 at 3:41 PM

To: Daniel Capurro <dcapurro@unimelb.edu.au>
Cc: Vlada Rozova <vlada.rozova@unimelb.edu.au>, Mauro Mello Jr <mauro.mellojr@unimelb.edu.au>, KUNXI SUN <kunxis@student.unimelb.edu.au>, Hanyi Gao <hanyig1@student.unimelb.edu.au>, Ricardo Luo <yulail1@student.unimelb.edu.au>, Yue Fei <yffei@student.unimelb.edu.au>, Yanxi KE <yake@student.unimelb.edu.au>, Runzhe HUA <runzheh@student.unimelb.edu.au>, Jiacheng WANG <jiacwang3@student.unimelb.edu.au>, Mingjun GAO <mingjung1@student.unimelb.edu.au>, Lang Cao <lancao@student.unimelb.edu.au>

Hi Daniel,
I just confirmed with others from two groups. We have 9 people available and we would like to meet today at 4pm. I will send a calendar invitation to everyone right now.

Thank you!

Best regards,

Chenyang Dong

[Quoted text hidden]

Daniel Capurro <dcapurro@unimelb.edu.au>

Fri, Mar 10, 2023 at 3:46 PM

To: Chenyang Dong <doncd@student.unimelb.edu.au>

Perfect, see you in a bit

[Quoted text hidden]

Vlada Rozova <vlada.rozova@unimelb.edu.au>

Fri, Mar 10, 2023 at 3:48 PM

To: Chenyang Dong <doncd@student.unimelb.edu.au>
Cc: Daniel Capurro <dcapurro@unimelb.edu.au>, Mauro Mello Jr <mauro.mellojr@unimelb.edu.au>, KUNXI SUN <kunxis@student.unimelb.edu.au>, Hanyi Gao <hanyig1@student.unimelb.edu.au>, Ricardo Luo <yulail1@student.unimelb.edu.au>, Yue Fei <yffei@student.unimelb.edu.au>, Yanxi KE <yake@student.unimelb.edu.au>, Runzhe HUA <runzheh@student.unimelb.edu.au>, Jiacheng WANG <jiacwang3@student.unimelb.edu.au>, Mingjun GAO <mingjung1@student.unimelb.edu.au>, Lang Cao <lancao@student.unimelb.edu.au>

Hi all,

Apologies for not replying earlier. I will have to zoom in from my phone for the first 20 minutes. See you at 4pm.

Kind regards,

Vlada

On 10 Mar 2023, at 3:42 pm, Chenyang Dong <doncd@student.unimelb.edu.au> wrote:

[Quoted text hidden]

Chenyang Dong <doncd@student.unimelb.edu.au>

Fri, Mar 10, 2023 at 3:53 PM

To: Vlada Rozova <vlada.rozova@unimelb.edu.au>

Dear Vlada,

Thank you so much! See you at 4!

Best Regards,
Chenyang Dong

From: Vlada Rozova <vlada.rozova@unimelb.edu.au>

Sent: Friday, March 10, 2023 3:48:31 PM

To: Chenyang Dong <doncd@student.unimelb.edu.au>

Cc: Daniel Capurro <dcapurro@student.unimelb.edu.au>; Mauro Mello Jr <mauro.mellojr@student.unimelb.edu.au>; KUNXI SUN <kunxis@student.unimelb.edu.au>; Hanyi Gao <hanyig1@student.unimelb.edu.au>; Ricardo Luo <yulail1@student.unimelb.edu.au>; Yue Fei <yfei@student.unimelb.edu.au>; Yanxi KE <yake@student.unimelb.edu.au>; Runzhe HUA <runzheh@student.unimelb.edu.au>; Jiacheng WANG <jiacwang3@student.unimelb.edu.au>; Mingjun GAO <mingjung1@student.unimelb.edu.au>; Lang Cao <lancao@student.unimelb.edu.au>

Subject: Re: COMP90082 Industry Project | Kick-Off Meeting

[Quoted text hidden]

10/03/23 After Kick-off Meeting

 THE UNIVERSITY OF MELBOURNE	Chenyang Dong < dondc@student.unimelb.edu.au >
COMP90082 Industry Project DI Kick-off Meeting 2 messages	
Daniel Capurro < dcapurro@unimelb.edu.au >	Fri, Mar 10, 2023 at 5:01 PM
To: "dondc@student.unimelb.edu.au" < dondc@student.unimelb.edu.au >, Yanxi KE < yake@student.unimelb.edu.au >, Jiacheng WANG < jiacwang3@student.unimelb.edu.au >, Lang Cao < lancao@student.unimelb.edu.au >, Runzhe HUA < runzheh@student.unimelb.edu.au >, Mingjun GAO < mingjung1@student.unimelb.edu.au >, Hanyi Gao < chanyig1@student.unimelb.edu.au >, Yue Fei < yffei@student.unimelb.edu.au >, KUNXI SUN < kunxis@student.unimelb.edu.au >, Ricardo Luo < yulail1@student.unimelb.edu.au >	Cc: Vlada Rozova < vlada.rozova@unimelb.edu.au >, Mike Conway < mike.conway@unimelb.edu.au >

Hi everyone,

Great to meet you all today. I wanted to introduce you to Dr. Mike Conway (cc'd here). As we mentioned, Vlada and Mike will be your contacts for the duration of the project.

Attached is the diagram that Vlada created to describe the main components of the software.

We will get you the Universal Indication List (UIL)

Meanwhile, here is a text file with some examples of reasons for prescription

Remember that all the information we share here is confidential and it should not be used for any other purpose.

Cheers

Daniel

2 attachments

	Untitled.pdf 49K
	ReasonExample.txt 4K

Chenyang Dong <doncd@student.unimelb.edu.au>

Fri, Mar 10, 2023 at 5:19 PM

To: Daniel Capurro <dcapurro@student.unimelb.edu.au>, Vlada Rozova <vlada.rozova@student.unimelb.edu.au>

Cc: Mike Conway <mike.conway@student.unimelb.edu.au>, KUNXI SUN <kunxis@student.unimelb.edu.au>, Hanyi Gao <hanyig1@student.unimelb.edu.au>, Yue Fei <yffei@student.unimelb.edu.au>, Ricardo Luo <yulaili@student.unimelb.edu.au>

Dear Daniel,

We would like to express our appreciation for your time to meet with us and discuss the project. Thank you for introducing us to Dr. Mike Conway. We also appreciate the diagram that Vlada created to describe the main components of the software and the text file with examples of reasons for prescription.

We will ensure that all the information shared with us remains confidential and will only be used for the purpose of this project.

Please let us know when we can expect to receive the Universal Indication List (UIL).

Thank you again for your assistance with this project.

Best regards,

Chenyang Dong

[Quoted text hidden]

12-16/03/23 Follow-up on Weekly Meeting Details and Scheduling

 THE UNIVERSITY OF MELBOURNE	Chenyang Dong < doncd@student.unimelb.edu.au >
COMP90082 Industry Project Follow-up on Weekly Meeting Details and Scheduling 8 messages	
Chenyang Dong < doncd@student.unimelb.edu.au >	Sun, Mar 12, 2023 at 11:06 PM
To: Vlada Rozova < vlada.rozova@student.unimelb.edu.au >, Mike Conway < mike.conway@student.unimelb.edu.au > Cc: Mauro Mello Jr < mauro.mellojr@student.unimelb.edu.au >, KUNXI SUN < kunxis@student.unimelb.edu.au >, Hanyi Gao < hanyig1@student.unimelb.edu.au >, Ricardo Luo < yulail1@student.unimelb.edu.au >, Yue Fei < yffei@student.unimelb.edu.au >	
<p>Dear Vlada and Mike,</p> <p>This is Chenyang Dong from Team BoxJelly. It was great meeting with Vlada during the kickoff meeting. As discussed, we would like to schedule weekly meetings going forward. We think it's a great idea to have 30-minute meetings per team and we are happy to meet in person. However, please note that two members of our team may not be able to join the meeting in person, so we will arrange for them to participate via Zoom.</p> <p>I wanted to follow up with you on this matter and discuss the details of our weekly meetings. Would it be possible to use a scheduling tool like When2Meet to determine the best time for everyone to meet? This would make scheduling our meetings much easier and more efficient. If so, this is the link, DI Meeting with Team BoxJelly - When2meet.</p> <p>Please let us know your thoughts on this matter, and if you have any questions or concerns, please do not hesitate to reach out to us.</p> <p>Thank you for your time and attention.</p> <p>Best regards,</p> <p>Chenyang Dong</p>	
Chenyang Dong < doncd@student.unimelb.edu.au >	Wed, Mar 15, 2023 at 9:35 AM
To: Vlada Rozova < vlada.rozova@student.unimelb.edu.au >, Mike Conway < mike.conway@student.unimelb.edu.au > Cc: Mauro Mello Jr < mauro.mellojr@student.unimelb.edu.au >, KUNXI SUN < kunxis@student.unimelb.edu.au >, Hanyi Gao < hanyig1@student.unimelb.edu.au >, Ricardo Luo < yulail1@student.unimelb.edu.au >, Yue Fei < yffei@student.unimelb.edu.au >	
<p>Dear Vlada and Mike</p> <p>I hope this email finds you well. I just wanted to follow up on my previous email regarding the weekly project meeting. As I haven't heard back from you yet, I was wondering if you had a chance to review my email and if you have any updates or preferences about the meeting.</p> <p>Thank you for your attention to this matter, and I look forward to hearing from you soon.</p> <p>Best Regards,</p> <p>Chenyang Dong</p> <p>[Quoted text hidden]</p>	
Vlada Rozova < vlada.rozova@student.unimelb.edu.au >	Wed, Mar 15, 2023 at 10:45 AM
To: Chenyang Dong < doncd@student.unimelb.edu.au >, Mike Conway < mike.conway@student.unimelb.edu.au > Cc: Mauro Mello Jr < mauro.mellojr@student.unimelb.edu.au >, KUNXI SUN < kunxis@student.unimelb.edu.au >, Hanyi Gao < hanyig1@student.unimelb.edu.au >, Ricardo Luo < yulail1@student.unimelb.edu.au >, Yue Fei < yffei@student.unimelb.edu.au >	

Hi Chenyang,

Mondays and Fridays after 11am would be the best for me to schedule weekly meetings. Mike, would you have time on either of these days? Once we have agreed on the time I can book a room at Melbourne Connect for those who would like to attend in person.

Kind regards,

Vlada

[Quoted text hidden]

Chenyang Dong <doncd@student.unimelb.edu.au>

Wed, Mar 15, 2023 at 12:02 PM

To: Vlada Rozova <vlada.rozova@unimelb.edu.au>

Cc: Mike Conway <mike.conway@unimelb.edu.au>, Mauro Mello Jr <mauro.mellojr@unimelb.edu.au>, KUNXI SUN <kunxis@student.unimelb.edu.au>, Hanyi Gao <hanyig1@student.unimelb.edu.au>, Ricardo Luo <yulail1@student.unimelb.edu.au>, Yue Fei <yffei@student.unimelb.edu.au>

Dear Vlada,

Thank you for your prompt response to my previous email. After consulting with our team members, we have identified Friday after 11am and before 3:15pm as the best time for our weekly project meetings. Alternatively, Monday could also work for us.

However, for this week's meeting, we kindly request that it be scheduled before 1:30pm due to a prior commitment.

Please let us know which day and time works best for you and Mike. We look forward to hearing from you soon.

Thank you very much!

Best regards,
Chenyang Dong

[Quoted text hidden]

Vlada Rozova <vlada.rozova@unimelb.edu.au>

Thu, Mar 16, 2023 at 12:58 PM

To: Chenyang Dong <doncd@student.unimelb.edu.au>

Cc: Mike Conway <mike.conway@unimelb.edu.au>, Mauro Mello Jr <mauro.mellojr@unimelb.edu.au>, KUNXI SUN <kunxis@student.unimelb.edu.au>, Hanyi Gao <hanyig1@student.unimelb.edu.au>, Ricardo Luo <yulail1@student.unimelb.edu.au>, Yue Fei <yffei@student.unimelb.edu.au>

Hi Chenyang,

I suggest we meet tomorrow at 11am and I will see if Mike can join as well. We can then decide whether this time slot works in the long-term. I have booked a meeting room at Melbourne Connect, otherwise, feel free to join via zoom (a calendar invitation is to follow).

Kind regards,

Vlada

[Quoted text hidden]

Chenyang Dong <doncd@student.unimelb.edu.au>

Thu, Mar 16, 2023 at 1:18 PM

To: Vlada Rozova <vlada.rozova@unimelb.edu.au>

Cc: Mike Conway <mike.conway@unimelb.edu.au>, Mauro Mello Jr <mauro.mellojr@unimelb.edu.au>, KUNXI SUN <kunxis@student.unimelb.edu.au>, Hanyi Gao <hanyig1@student.unimelb.edu.au>, Ricardo Luo <yulail1@student.unimelb.edu.au>, Yue Fei <yffei@student.unimelb.edu.au>

Dear Vlada,

Thank you for arranging the meeting. However, in the calendar invitation, it says that the room is 290-4-4101-Meeting room (8), which might suggest it is located on the 4th floor. Can you please confirm if this is the case?

I want to ensure I arrive at the correct location on time for our meeting tomorrow. Thank you for your help and clarification.

Best regards,

Chenyang Dong

From: Vlada Rozova <vlada.rozova@unimelb.edu.au>

Sent: Thursday, March 16, 2023 12:58:39 PM

To: Chenyang Dong <doncd@student.unimelb.edu.au>

Cc: Mike Conway <mike.conway@unimelb.edu.au>; Mauro Mello Jr <mauro.mellojr@unimelb.edu.au>; KUNXI SUN <kunxis@student.unimelb.edu.au>; Hanyi Gao <hanyig1@student.unimelb.edu.au>; Ricardo Luo <yulail1@student.unimelb.edu.au>; Yue Fei <yfei@student.unimelb.edu.au>

Subject: Re: COMP90082 Industry Project | Follow-up on Weekly Meeting Details and Scheduling

[Quoted text hidden]

Mike Conway <mike.conway@unimelb.edu.au>

Thu, Mar 16, 2023 at 2:03 PM

To: Chenyang Dong <doncd@student.unimelb.edu.au>, Vlada Rozova <vlada.rozova@unimelb.edu.au>

Cc: Mauro Mello Jr <mauro.mellojr@unimelb.edu.au>, KUNXI SUN <kunxis@student.unimelb.edu.au>, Hanyi Gao <hanyig1@student.unimelb.edu.au>, Ricardo Luo <yulail1@student.unimelb.edu.au>, Yue Fei <yfei@student.unimelb.edu.au>

Hi Folks – I can do 11 tomorrow. Thanks for organizing this. Rm 4101 is on the 4th floor.

Cheers

Mike

[Quoted text hidden]

Chenyang Dong <doncd@student.unimelb.edu.au>

Thu, Mar 16, 2023 at 2:20 PM

To: Mike Conway <mike.conway@unimelb.edu.au>, Vlada Rozova <vlada.rozova@unimelb.edu.au>

Cc: Mauro Mello Jr <mauro.mellojr@unimelb.edu.au>, KUNXI SUN <kunxis@student.unimelb.edu.au>, Hanyi Gao <hanyig1@student.unimelb.edu.au>, Ricardo Luo <yulail1@student.unimelb.edu.au>, Yue Fei <yfei@student.unimelb.edu.au>

Thank you Mike!

Looking forward to see you tomorrow.

Best regards,

Chenyang Dong

From: Mike Conway <mike.conway@unimelb.edu.au>

Sent: Thursday, March 16, 2023 2:03:40 PM

To: Chenyang Dong <doncd@student.unimelb.edu.au>; Vlada Rozova <vlada.rozova@unimelb.edu.au>

Cc: Mauro Mello Jr <mauro.mellojr@unimelb.edu.au>; KUNXI SUN <kunxis@student.unimelb.edu.au>; Hanyi Gao <hanyig1@student.unimelb.edu.au>; Ricardo Luo <yulail1@student.unimelb.edu.au>; Yue Fei <yfei@student.unimelb.edu.au>

[Quoted text hidden]

[Quoted text hidden]

17/03/23 Information Update After Weekly Meeting #1



Chenyang Dong <doncd@student.unimelb.edu.au>

Vlada Rozova <vlada.rozova@unimelb.edu.au>

Fri, Mar 17, 2023 at 2:24 PM

To: Chenyang Dong <doncd@student.unimelb.edu.au>
Cc: Mike Conway <mike.conway@unimelb.edu.au>, Mauro Mello Jr <mauro.mellojr@unimelb.edu.au>, KUNXI SUN <kunxis@student.unimelb.edu.au>, Hanyi Gao <hanyig1@student.unimelb.edu.au>, Ricardo Luo <yulail1@student.unimelb.edu.au>, Yue Fei <yffei@student.unimelb.edu.au>, Daniel Capurro <dcapurro@unimelb.edu.au>

Hi team,
Great meeting with you today and thanks for your update once progress.
Below are a couple of points for your information:

- Daniel has found out who is responsible for the Ontoserver license at Unimelb and has requested it on your behalf.
- As I mentioned, I am trying to get a hold on the UIL and will update you as soon as we have access to it.
- To our discussion on the dataset size: the initial dataset we can provide you with for the development would contain a few hundred rows. This is the data we will use to curate the mapping. Once we move into production the largest dataset will be ~2.5 million rows however there is always an option to process it in batches if needed. It would be good to still have the functionality to curate the mapping even on the large datasets.
- For our project we will be using the Secure Research Environment (SRE) provided by the Unimelb. The resources are standard: 1TB disk space, 16GB RAM, 8 cores. There is an option to request additional resources if needed. Ideally we would like to emulate this environment to ensure the tool functions correctly once deployed. The 3 options I see are: a local windows machine, a windows-based container, Melbourne Research Cloud (or alternative solutions offered by Unimelb). Let me know if you need more information about the SRE set-up.

Would it be possible to move our meeting to Friday 10am? Otherwise, we can do 12-2pm.

Kind regards,
Vlada
[Quoted text hidden]

Chenyang Dong <doncd@student.unimelb.edu.au>

Fri, Mar 17, 2023 at 3:46 PM

To: Vlada Rozova <vlada.rozova@unimelb.edu.au>, Mike Conway <mike.conway@unimelb.edu.au>
Cc: Mauro Mello Jr <mauro.mellojr@unimelb.edu.au>, KUNXI SUN <kunxis@student.unimelb.edu.au>, Hanyi Gao <hanyig1@student.unimelb.edu.au>, Ricardo Luo <yulail1@student.unimelb.edu.au>, Yue Fei <yffei@student.unimelb.edu.au>, Daniel Capurro <dcapurro@unimelb.edu.au>

Dear Vlada and Mike,

Thank you for your message and for providing me with the updates on your project. It's great meeting you in person this morning. It sounds like there has been progress on several fronts.

Regarding the Ontoserver license, it's great to hear that Daniel was able to identify who is responsible for it and has requested it for us. As for the UIL, I hope you are able to obtain access to it soon and I look forward to hearing your update on this. If possible, could you please give me a rough estimate of when we might expect to have access to the Ontoserver license and UIL? This will help us plan our next steps accordingly.

Regarding the dataset size, it's helpful to have an idea of what the initial dataset will look like and the size of the largest dataset you will be using in production. It's good to hear that there will be the option to process the large dataset in batches if needed, and it's important to have the functionality to curate the mapping even on the larger datasets.

It's also good to know that you will be using the Secure Research Environment (SRE) provided by Unimelb, and that the resources are standard with the option to request additional resources if needed. It would be helpful to have more information later about the SRE set-up to determine which option might be the best fit.

Regarding the meeting time, our team can certainly arrange for the meeting to be moved to Friday at 10am as you requested. I will update my calendar accordingly.

Thank you again for the update and I look forward to hearing more about the project.

Best regards,

Chenyang Dong
[Quoted text hidden]

20-23/03/23 Access to UIL

 THE UNIVERSITY OF MELBOURNE	Chenyang Dong < doncd@student.unimelb.edu.au >
Vlada Rozova < vlada.rozova@unimelb.edu.au >	Mon, Mar 20, 2023 at 12:48 PM
To: Chenyang Dong < doncd@student.unimelb.edu.au > Cc: Mike Conway < mike.conway@unimelb.edu.au >, Mauro Mello Jr < mauro.mellojr@unimelb.edu.au >, KUNXI SUN < kunxis@student.unimelb.edu.au >, Hanyi Gao < hanyig1@student.unimelb.edu.au >, Ricardo Luo < yulail1@student.unimelb.edu.au >, Yue Fei < yffei@student.unimelb.edu.au >, Daniel Capurro < dcapurro@unimelb.edu.au >	
Hi Chenyang, To arrange your access to the UIL, could you please send me the phone numbers of all team members? Your phone numbers and email addresses will be used to set up your accounts so you can access the UIL.	
Thanks, [Quoted text hidden] Vlada	
Chenyang Dong < doncd@student.unimelb.edu.au >	Mon, Mar 20, 2023 at 1:19 PM
To: Vlada Rozova < vlada.rozova@unimelb.edu.au > Cc: Mike Conway < mike.conway@unimelb.edu.au >, Mauro Mello Jr < mauro.mellojr@unimelb.edu.au >, KUNXI SUN < kunxis@student.unimelb.edu.au >, Hanyi Gao < hanyig1@student.unimelb.edu.au >, Ricardo Luo < yulail1@student.unimelb.edu.au >, Yue Fei < yffei@student.unimelb.edu.au >, Daniel Capurro < dcapurro@unimelb.edu.au >	
Hi Vlada, These are phone numbers and email addresses of our team below. Chenyang Dong 0401783575 doncd@student.unimelb.edu.au Hanyi Gao 0478382679 hanyig1@student.unimelb.edu.au Yue Fei 0414898228 yffei@student.unimelb.edu.au Kunxi Sun 0421635666 kunxis@student.unimelb.edu.au Yulai Luo +86 15771016651 yulail1@student.unimelb.edu.au Thank you for setting up our accounts! Best Regards, Chenyang Dong	
From: Vlada Rozova < vlada.rozova@unimelb.edu.au > Sent: Monday, March 20, 2023 12:48:10 PM To: Chenyang Dong < doncd@student.unimelb.edu.au > Cc: Mike Conway < mike.conway@unimelb.edu.au >; Mauro Mello Jr < mauro.mellojr@unimelb.edu.au >; KUNXI SUN < kunxis@student.unimelb.edu.au >; Hanyi Gao < hanyig1@student.unimelb.edu.au >; Ricardo Luo < yulail1@student.unimelb.edu.au >; Yue Fei < yffei@student.unimelb.edu.au >; Daniel Capurro < dcapurro@unimelb.edu.au > [Quoted text hidden]	
[Quoted text hidden]	

Vlada Rozova <vlada.rozova@unimelb.edu.au> Mon, Mar 20, 2023 at 1:28 PM

To: Chenyang Dong <doncd@student.unimelb.edu.au>

Excellent, thanks for the prompt response.
Kind regards,
[Quoted text hidden]
Vlada

Vlada Rozova <vlada.rozova@unimelb.edu.au>

Thu, Mar 23, 2023 at 5:45 PM

To: Chenyang Dong <doncd@student.unimelb.edu.au>

Hi Chenyang,
That's great news.

In case you had difficulties accessing the UIL, there were some technical issues that have now been resolved, so you should be able to see the full list of indications.

Kind regards,
[Quoted text hidden]
Vlada

Chenyang Dong <doncd@student.unimelb.edu.au>

Thu, Mar 23, 2023 at 5:58 PM

To: Vlada Rozova <vlada.rozova@unimelb.edu.au>

Dear Vlada,
Thank you so much for telling us. We were about to email you to ask about the UIL since it was empty. This will be a lot helpful for us.

Best regards,
Chenyang
[Quoted text hidden]

23/03/23 Access to Ontoserver

 THE UNIVERSITY OF MELBOURNE	Chenyang Dong < doncd@student.unimelb.edu.au >
Access to Ontoserver 4 messages	
Vlada Rozova < vlada.rozova@unimelb.edu.au >	Thu, Mar 23, 2023 at 3:05 PM
To: Lang Cao < lancao@student.unimelb.edu.au >, Chenyang Dong < doncd@student.unimelb.edu.au > Cc: Mauro Mello Jr < mauro.mellojr@unimelb.edu.au >, Daniel Capurro < dcapurro@unimelb.edu.au >, Mike Conway < mike.conway@unimelb.edu.au >	
<p>Hi team representatives, Below are the instructions on how to access Ontoserver: You need to:</p> <ul style="list-style-type: none">- Establish an account with quay.io at https://quay.io- Obtain an appropriate Licence:- Within Australia, email help@digitalhealth.gov.au to request a (free) Ontoserver licence. ADHA will then arrange authorisation for your quay.io account. <p>From this they need to set up a quay.io account. Then ADHA need to authorise their accounts (which I have given permission to) So they should set up their accounts send their quay.io account details to help@digitalhealth.gov.au and cc ward.r@unimelb.edu.au and dcapurro@unimelb.edu.au. That should do it"</p> <p>Please let me know if you have any problems downloading the software.</p> <p>Kind regards, Vlada</p>	
Chenyang Dong < doncd@student.unimelb.edu.au >	Thu, Mar 23, 2023 at 5:25 PM
To: Vlada Rozova < vlada.rozova@unimelb.edu.au >	
<p>Dear Vlada,</p> <p>Thank you for your information. We have received confirmation from the Australian Digital Health Agency (ADHA) regarding our approval from the Ontoserver representative at the University of Melbourne. Furthermore, CSIRO has successfully whitelisted our accounts, granting us access to the Ontoserver repository.</p> <p>We appreciate your support and cooperation throughout this process.</p> <p>Thank you very much!</p> <p>Best regards, Chenyang Dong [Quoted text hidden]</p>	

Emails with Supervisor

- 08/03/23 Arrange Team Meeting #1
- 09/03/23 Note for Client Contact
- 13-15/03/23 Weekly Project Update Meeting and Ontoserver License Issue
- 14/03/23 Advice on Important Areas For the Project
- 15/03/23 Protocol for naming any and all messages in projects
- 16/03/23 Advice on Communication and Preferred Name
- 17/03/23 Weekly team meeting #01

08/03/23 Arrange Team Meeting #1



Chenyang Dong <dondc@student.unimelb.edu.au>

COMP90082 (2023S1)/DI: Team meeting #01
1 message

Mauro Mello Jr <mauro.mellojr@unimelb.edu.au>

Wed, Mar 8, 2023 at 4:07 PM

To: Mauro Mello Jr <mauro.mellojr@unimelb.edu.au>

Dear all in project **Digital Health** (DI), project teams **BoxJelly** and **RedBack**—greetings!

Let's have our first one-hour **e-meeting this Thursday 09 or Friday 10/03/2023**.

- **Action:** Visit When2Meet — <https://www.when2meet.com/?19108697-d2Vmb> — and **register your availability no later than 13:00 on Thursday 09/03/2023**. I will send a link to a Zoom meeting for the time most participants are available at least one hour before the meeting starts.

Your camera must be on and your microphone muted, and you should use your full name for your screen name. If you have a preferred name, list it between brackets (e.g., Johannes (John) Augustus von Seitenwechselverfarung).

Review the tentative meeting agenda below the fold. If you have any specific items to be discussed during the meeting, reply to this message.

Regards,

Mauro Mello Jr
Supervisor, COMP90082 Software Project (2023S1)

Proposed agenda for meeting 01 | 2023-03-09(10) v1.0.0 (1)

1. Introduction

- Getting to know each other
 - Our approach for working together this semester
-

2. Your client

- Getting to know your client
 - Communicating with your client (when, how often, how, where)
 - Etiquette for meetings
 - cc'ing me in every communication with your client
 - Documenting meetings with client
-

3. Your product and the project that will create it

- Product x project — know your product well and set up a better project
 - The four W's and one H: What is it, When is it needed, Where is it needed, How much...
 - A neglected W: Why is it needed?
 - Milestones that you know (check the major dates presented by Eduardo in the lectures and available on the LMS/Canvas)
 - Funding for your project
 - Getting things done — what needs to be done, who does what, when to do what needs doing, where the doing is done
 - Keeping track of everything that is happening
 - Your internal meetings
 - Our weekly meetings
-

4. Roles

- Project roles
 - Minimum roles to have as a starting point (e.g., product owner, scrum master)
 - Collaborate with, support and back each other up!
 - Communicating with me, the sponsor and the team (as well as with program coordinator and lecturer)
-

5. Any other business

- Any other business
- =====

09/03/23 Note for Client Contact

 THE UNIVERSITY OF MELBOURNE	Chenyang Dong < dondc@student.unimelb.edu.au >
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COMP90082 (2023S1)/DI: (1) First client contact must involve both teams, (2) during business hours
1 message

Mauro Mello Jr <mauro.mellojr@unimelb.edu.au>

Thu, Mar 9, 2023 at 7:53 PM

To: Mauro Mello Jr <mauro.mellojr@unimelb.edu.au>

Hi all—

As there are two teams allocated to the project **Digital Health (DI)**, all team members in *both* teams should attend the first meeting with the client. You should not expect the client to have more than one kickoff meeting to resolve how to work together. It means that you have to coordinate a common message to be sent or, if two are sent, that they share the same dates (and, if via Zoom, the same link).

Communication between teams is essential—coordinate your actions for improved performance and reduced impact on the client.

Also, clients should not be invited to meetings on weekends. Meetings with clients should be limited to normal business hours (unless otherwise explicitly discussed and agreed to with them).

Regards,

Mauro Mello Jr
Supervisor, COMP90082 (2023S1)

13-15/03/23 Weekly Project Update Meeting and Ontoserver License Issue



Chenyang Dong <doncd@student.unimelb.edu.au>

COMP90082 Industry Project | Weekly project update meeting and Ontoserver License Issue
3 messages

Chenyang Dong <doncd@student.unimelb.edu.au>

Mon, Mar 13, 2023 at 4:11 PM

To: Mauro Mello Jr <mauro.mellojr@unimelb.edu.au>

Cc: KUNXI SUN <kunxis@student.unimelb.edu.au>, Hanyi Gao <hanyig1@student.unimelb.edu.au>, Ricardo Luo <yulail1@student.unimelb.edu.au>, Yue Fei <yffei@student.unimelb.edu.au>

Dear Mr.Mello,

This is Chenyang Dong from Team BoxJelly. I hope this email finds you well. As we are moving forward with the Digital Health project, I would like to propose that we schedule weekly meetings to update you on the progress, discuss any requirements from the client, and address any issues related to the project.

Additionally, there is an issue that has come up regarding the use of Ontoserver for the project. As you may know, the client has requested that one of the teams use Ontoserver, while the other team uses alternative methods. However, we have received a message from the other team indicating that they may also want to use Ontoserver and have emailed you for a license from the university. Our team would also like to use this option, and we have been applying for a license personally since last week. We also mentioned this to the client in the first kickoff meeting as well.

In light of this issue, I would appreciate it if we could discuss the use of Ontoserver during our weekly meeting and determine the best course of action moving forward.

For the meeting, I suggest that we can schedule for half an hour every week, which should give us ample time to go through the updates and any issues that need to be addressed. Please let us know your availability, or if you prefer, we can use When2Meet to schedule the meetings - [DI Meeting with Team BoxJelly - When2meet](#).

Our proposed agenda items for this meeting are as follows:

- Review of progress made during the previous week
- Discussion of any issues or roadblocks encountered
- Review of upcoming tasks and deadlines
- Review of any feedback from the client
- Any other business

Please let me know if there are any other specific agenda items that you would like to add to the meeting.

Thank you for your time and support in this project. I look forward to our meeting.

Best regards,
Chenyang Dong

Chenyang Dong <doncd@student.unimelb.edu.au>

Wed, Mar 15, 2023 at 9:29 AM

To: Mauro Mello Jr <mauro.mellojr@unimelb.edu.au>

Cc: KUNXI SUN <kunxis@student.unimelb.edu.au>, Hanyi Gao <hanyig1@student.unimelb.edu.au>, Ricardo Luo <yulail1@student.unimelb.edu.au>, Yue Fei <yffei@student.unimelb.edu.au>

Dear Mr. Mello,

I hope this email finds you well. I just wanted to follow up on my previous email regarding the weekly project meeting and the Ontoserver license request. As I haven't heard back from you yet, I was wondering if you had a chance to review my email and if you have any updates or preferences about the frequency of the meeting.

Thank you for your attention to this matter, and I look forward to hearing from you soon.

Best Regards,
Chenyang Dong
[Quoted text hidden]

Mauro Mello Jr <mauro.mellojr@unimelb.edu.au>

Wed, Mar 15, 2023 at 3:16 PM

To: Chenyang Dong <doncd@student.unimelb.edu.au>
Cc: KUNXI SUN <kunxis@student.unimelb.edu.au>, Hanyi Gao <hanyig1@student.unimelb.edu.au>, Ricardo Luo <yulail1@student.unimelb.edu.au>, Yue Fei <yfifei@student.unimelb.edu.au>

Hi Chenyang—
Thanks for the reminder.

Right now I can address the first item, based on a conversation with Eduardo:

If clients want specific technologies, platforms, devices and tools to be used they must provide them (e.g., AWS, VR headsets, smart watches and phones, tablets). This also includes creating paid developer accounts on application platforms (Android, Apple, Google, etc.). Project team members should not themselves pay for any expenditures required or mandated by clients, and should always research and discuss alternative solutions.

As supervisors we do not have the authority from the University of Melbourne, nor the responsibility, for making these decisions.

We can discuss this in our weekly team meeting (will notify you on this shortly).

Regards,

Mauro Mello Jr
Supervisor

[Quoted text hidden]

14/03/23 Advice on Important Areas For the Project

 THE UNIVERSITY OF MELBOURNE	Chenyang Dong < dondc@student.unimelb.edu.au >
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COMP90082 (2023S1)/DE + DI + RE: (1) Review the subject handbook. (2) An approach to defining your deliverables
1 message

Mauro Mello Jr <mauro.mellojr@unimelb.edu.au>

Tue, Mar 14, 2023 at 10:51 PM

To: Mauro Mello Jr <mauro.mellojr@unimelb.edu.au>

Hi all in Project Teams Deliver-Eze (DE), Digital Health (DI) and Recruitment App (RE)—

Below the fold you will find two major areas that you need to be confident about. It may not be possible to clarify everything we would like to know about a product or project, when we need them. There will be a lot of uncertainty at the start which you will gradually reduce by your work (= force x displacement). This is an iterative process that will be refined during the semester at every opportunity. Think 'constant incremental improvements lead to big changes'.

In particular for item 2 below, it is a process that will require several iterations until a good amount of detail is obtained. Do not expect to extract all the answers at the first opportunity, but keep these questions in mind as you interact with your clients.

If you have any questions or comments reply to this message.

This is the start of your journey toward a very successful project performance. Do your best!

Regards,

Mauro Mello Jr

Supervisor, COMP90082 (2023S1)

1. Getting to know the context of the subject and your activities as students

Review the subject handbook for COMP90082 Software Project to have a very good understanding of the activities, requirements, assumed effort (hours), expectations, assignments and their marks, as well as dates. It is to your advantage to be well informed about the structure and functioning of the subject (i.e., no surprises).

With #1 out of the way let us move on to...

2. Getting to know the most important thing that justifies your existence as project teams—the product that you will produce and the client to whom you will deliver it.

Be prepared to find out as many of these details as you can at every opportunity you have to interact with your clients. Use the following questions (v1.0.0) to guide your investigation, which are adapted from typical root cause analysis procedures:

2.1. What is the thing that you will be working on?

a) What is **The Product™** and how can you fully and unambiguously characterize what will be packaged and delivered?

The 'what' refers to the overall characteristics of the product (think of it as its structure or architecture) as well as the individual characteristics themselves (or features).

b) What is *not* The Product™? This will help clarify features or components that might be considered part of the product but will not be required.

Tip: If you contrast 2.1.(a) and (b) you will be able to explain why the product is configured (structure and function) the way that the client requested it.

2.2. When is the thing required?

a) When is the product or major components required by the client? (Note, too, that you also need to take into account your academic schedule.)

The 'when' refers to calendar dates as well as 'when' in the client's operational cycles (e.g., after major sales campaigns).

b) When is the product not required (before or after)? These may involve contractual or logistical requirements or penalties for failing to meet deadlines.

Tip: If you contrast 2.2.(a) and (b) you will be able to explain why the product must be delivered on specific dates and not before or after.

- - -

2.3. Where is the thing required?

a) Where will the product be delivered, installed, maintained, managed? These refer to IT infrastructure as well as business infrastructure.

The 'where' refers to both physical or infrastructure locations as well as 'where' in the hierarchy of the company (the role that owns the product).

b) Where will the product not be delivered, installed, maintained, managed? These include cost, technological, operational, security, contractual or regulatory items.

Tip: If you contrast 2.3.(a) and (b) you will be able to explain why the product is required to be in a certain infrastructure location (physical or online) as well as organizational or hierarchical location.

- - -

2.4. How much/how extensive is the product?

a) How will the product be characterized in terms of performance (e.g., transactions/unit of time) and capacity (e.g., storage, number of users, locations)? How much will the product require in resources to be operated, maintained, modified, commissioned (and decommissioned)? How much will the client be prepared to pay for the product (either as 'hours' or hard cash, even if you never see it)? What are the quality requirements of the product (e.g., mean time between failures, availability, mean time to repair, resource usage, performance parameters).

b) How will the product be characterized outside these performance and capacity characteristics? What will not be acceptable?

Tip: If you contrast 2.4.(a) and (b) you will be able to explain why the product is so extensive, or large, or powerful, or not.

- - -

2.5. Who is related to the product?

a) Who will be involved in the installation, operation, use, maintenance, commissioning (and decommissioning) of the product? Who will be the sponsor of the product? Who will be the owner of the product? Who will be the recipient of the product's output?

Note #1: A sponsor may be a role in the organization that supports and provides a line of capital and operational expenditures associated with the product. The owner is the role in the hierarchy that operationally owns it for everyday use.

Note #2: You also need to take into account those indirectly related to your effort to create this product—the University of Melbourne academic staff in the subjects. An analogy: Assume that you 'work' for UoM and you were brought together as project teams to create products for outside clients. Actually, this is exactly what business life is out there.

b) Who will not be involved in the installation, operation, use, maintenance, etc. of the product (but might be tempted to be)? (Note: There are business imperatives that your product will address, and there may be other motives involved.)

Tip: If you contrast 2.5.(a) and (b) you will be able to explain why the roles (and people) are related to the product.

- - -

Again, it will not be possible to extract all of these details when you need them. You would need a small-to-medium-sized miracle to have all of these answers properly answered for most projects in a reasonable amount of time (if ever). It will take a combination of the knowledge, skills and expertise that you will be developing to extract them in an interactive manner (read: meetings with your clients and your supervisors, as well as your lecturers and subject coordinators).

These descriptions above are by no means complete or definitive, and can be improved. Let me know your comments and suggestions, or if you spot any errors.

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15/03/23 Protocol for naming any and all messages in projects

 THE UNIVERSITY OF MELBOURNE	Chenyang Dong < doncd@student.unimelb.edu.au >
COMP90082 (2023S1): Protocol for naming any and all messages in projects (final notice) 1 message	
Mauro Mello Jr < mauro.mellojr@unimelb.edu.au >	Wed, Mar 15, 2023 at 5:25 PM
To: Mauro Mello Jr < mauro.mellojr@unimelb.edu.au >	
<p>Hi all project team members in COMP90082:</p> <p>The following applies to all messages sent from anyone in the projects I supervise in COMP90082 to anyone related to the projects—including but not limited to me, project team members, clients, lecturers, subject coordinator, etc.</p> <p>To help me assist you as effectively as possible, the 'Subject' field in *all* messages (including meeting invitations) regarding your projects and subject correspondence *must start* with:</p> <p>- "COMP90082/NN:" or "COMP90082 (2023S1)/NN:" followed by a short statement of the message (refer to this message's subject field for an example), where NN is your project code (e.g., DE, DI, RN)</p> <p>Messages can then be automatically sorted into smart project mailboxes and I will be able to reply to them in a timely manner.</p> <p>As everyday I receive a very large number of messages from several project teams, I will give priority to messages that follow this protocol.</p> <p>Messages that do not follow this protocol may take longer () to be considered and you run the risk of not getting answers when you need them.</p> <p>You are strongly advised to recommend this approach to your external clients, too.</p> <p>Regards,</p> <p>Mauro Mello Jr Supervisor, COMP90082 (2023S1)</p> <p>-----</p>	

16/03/23 Advice on Communication and Preferred Name

 <p>THE UNIVERSITY OF MELBOURNE</p>	Chenyang Dong < doncd@student.unimelb.edu.au >
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Request for Ontoserver License 4 messages

Chenyang Dong < doncd@student.unimelb.edu.au >	Thu, Mar 16, 2023 at 5:23 PM
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To: mdhs-gr@unimelb.edu.au
Cc: Mauro Mello Jr <mauro.mellojr@unimelb.edu.au>, KUNXI SUN <kunxis@student.unimelb.edu.au>, Hanyi Gao <hanyig1@student.unimelb.edu.au>, Ricardo Luo <yulail1@student.unimelb.edu.au>, Yue Fei <yffei@student.unimelb.edu.au>

Dear Officer,

I am writing to request an Ontoserver license for our Master of Information Technology COMP90082 project from the University of Melbourne. Our team is developing a digital health platform that will assess if a medication has been appropriately prescribed to a patient, and we are interested in using Ontoserver to map short strings of text onto a knowledge base of canonical clinical terms known as SNOMED CT.

We have contacted the Ontoserver team requesting a free license, however we are informed that University of Melbourne already holds an active license, but we were not provided with further details on how to obtain access to the software. Therefore, we are hoping to obtain an Ontoserver license from you directly.

Our industry partner for this project is Dr. Daniel Capurro, and our supervisor is Mauro Mello Jr. We believe that the use of Ontoserver will be invaluable to our project and will significantly enhance our ability to deliver high-quality results.

We would be grateful if you could provide us with the necessary information and steps to obtain an Ontoserver license for our project. Thank you for your time and assistance in this matter.

Best Regards,
Chenyang Dong

Mauro Mello Jr < mauro.mellojr@unimelb.edu.au >	Thu, Mar 16, 2023 at 5:54 PM
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To: Chenyang Dong <doncd@student.unimelb.edu.au>, KUNXI SUN <kunxis@student.unimelb.edu.au>, Hanyi Gao <hanyig1@student.unimelb.edu.au>, Ricardo Luo <yulail1@student.unimelb.edu.au>, Yue Fei <yffei@student.unimelb.edu.au>

Hi team—
Good write up.

Note that in such communications it is usual to also include the sponsor or client of the project. There are these people or organizational units involved, and whenever you cross these organizational boundaries you have to make clear who is who where:

- 1) The service provider: mdhs-gr (?)
- 2) The requestor of the product or service to be used in the project
 - 2.1) Daniel, who will own the final product, and who may be asked to confirm with the provider (in 1) that you are 'for real'.
 - 2.2) You, who report as a project team to your client (Daniel, who should have been cc'd).
 - 2.3) Me (as supervisor), who can also be contacted to vouch for your request.
3. For any and all communications with anyone related to this project, refer to the message I sent on naming conventions. The subject line above should have been
- "Subject: COMP90082 (2023S1)/DI: Request for Ontoserver license"

Regards,

Mauro Mello Jr
Supervisor, COMP90082 (2023S1)

[Quoted text hidden]

Chenyang Dong <doncd@student.unimelb.edu.au>	Thu, Mar 16, 2023 at 6:13 PM
To: Mauro Mello Jr <mauro.mellojr@unimelb.edu.au> Cc: KUNXI SUN <kunxis@student.unimelb.edu.au>, Hanyi Gao <hanyig1@student.unimelb.edu.au>, Ricardo Luo <yulail1@student.unimelb.edu.au>, Yue Fei <yffei@student.unimelb.edu.au>	
<p>Dear Mr. Mello,</p> <p>Thank you for your email and for your valuable advice on the project communication. I appreciate your guidance on the organizational structure of the project and your suggestion to include our client in our future communications. I will go cc Dr. Daniel Capurro, our industry partner and sponsor on these two emails towards the Faculty of Engineering and Information Technology and Faculty of Medicine, Dentistry & Health Sciences.</p> <p>I will also ensure that we include the necessary parties in our future emails and follow the naming conventions that you have previously communicated to us.</p> <p>Thank you once again for your support and supervision on this project.</p>	
<p>Best regards, Chenyang Dong</p>	
[Quoted text hidden]	

Chenyang Dong <doncd@student.unimelb.edu.au>	Thu, Mar 16, 2023 at 6:35 PM
To: mdhs-gr@unimelb.edu.au Cc: Mauro Mello Jr <mauro.mellojr@unimelb.edu.au>, KUNXI SUN <kunxis@student.unimelb.edu.au>, Hanyi Gao <hanyig1@student.unimelb.edu.au>, Ricardo Luo <yulail1@student.unimelb.edu.au>, Yue Fei <yffei@student.unimelb.edu.au>, Daniel Capurro <dcapurro@unimelb.edu.au>	
<p>Dear Officer,</p> <p>In this email, I'm writing to clarify that our request is being made on behalf of the COMP90082 industry project team (DI-BoxJelly).</p> <p>Our team members include Chenyang Dong, Kunxi Sun, Hanyi Gao, Yulai Luo and Yue Fei, which are responsible of developing the software for our client, Dr. Daniel Capurro (cc'd). Also, our supervisor in the project is Mauro Mello Jr (cc'd as well).</p> <p>We appreciate any assistance you can provide in processing our request. Please let us know if you require any further information or documentation from us.</p> <p>Thank you for your time and consideration.</p>	
<p>Best regards, Chenyang Dong</p>	
[Quoted text hidden]	

Mauro Mello Jr <mauro.mellojr@unimelb.edu.au>	Thu, Mar 16, 2023 at 7:29 PM
To: Chenyang Dong <doncd@student.unimelb.edu.au>, KUNXI SUN <kunxis@student.unimelb.edu.au>, Hanyi Gao <hanyig1@student.unimelb.edu.au>, Ricardo Luo <yulail1@student.unimelb.edu.au>, Yue Fei <yffei@student.unimelb.edu.au>	
<p>Hi all— Very good improvement in the communication of the request.</p> <p>Note the following, though:</p> <ol style="list-style-type: none">1. "COMP90082": [recipient asking] What? What is COMP90082?2. "industry project team (DI-BoxJelly)": [recipient asking] What? What is DI? What is BoxJelly? <p>:)</p> <p>Regards,</p>	
<p>Mauro Mello Jr Supervisor, (2023S1)</p>	
----- [Quoted text hidden]	

Chenyang Dong <doncd@student.unimelb.edu.au>	Thu, Mar 16, 2023 at 7:50 PM
To: Mauro Mello Jr <mauro.mellojr@unimelb.edu.au>, KUNXI SUN <kunxis@student.unimelb.edu.au>, Hanyi Gao <hanyig1@student.unimelb.edu.au>, Ricardo Luo <yulail1@student.unimelb.edu.au>, Yue Fei <yffei@student.unimelb.edu.au>	

Dear Mr. Mello,

Thank you for your further suggestions.

Since the email is sent to University Faculty, I thought 'Master of Information Technology COMP90082' would be sufficient to be understood as a subject. However, your notice is extremely important for us to send emails to other parties outside the organization in the future.

Also, for the project name and team name will also be further explained if that becomes an issue for the faculty to confirm us from Daniel or you. Similar issue of missing details or explanation will be avoided in the future communication.

Thank you very much!

Best regards,
Chenyang Dong

From: Mauro Mello Jr <mauro.mellojr@unimelb.edu.au>

Sent: Thursday, March 16, 2023 7:29:49 PM

To: Chenyang Dong <doncd@student.unimelb.edu.au>; KUNXI SUN <kunxis@student.unimelb.edu.au>; Hanyi Gao <hanyig1@student.unimelb.edu.au>; Ricardo Luo <yulail1@student.unimelb.edu.au>; Yue Fei <yfei@student.unimelb.edu.au>

Subject: Re: COMP90082/DI: Request for Ontoserver License

[Quoted text hidden]

Mauro Mello Jr <mauro.mellojr@unimelb.edu.au>

Thu, Mar 16, 2023 at 8:44 PM

To: Chenyang Dong <doncd@student.unimelb.edu.au>

Cc: KUNXI SUN <kunxis@student.unimelb.edu.au>, Hanyi Gao <hanyig1@student.unimelb.edu.au>, Ricardo Luo <yulail1@student.unimelb.edu.au>, Yue Fei <yfei@student.unimelb.edu.au>

Hi Chenyang—

1. Very good explanation of the items below.

2. The next time you address me as Mr. Mello you owe me coffee (for each instance). Mauro is the preferred name. Tell everyone in the DI teams the same.

Regards,

Mauro Mello Jr

Supervisor, COMP90082 (2023S1)

[Quoted text hidden]

Chenyang Dong <doncd@student.unimelb.edu.au>

Fri, Mar 17, 2023 at 12:27 AM

To: Mauro Mello Jr <mauro.mellojr@unimelb.edu.au>

Cc: KUNXI SUN <kunxis@student.unimelb.edu.au>, Hanyi Gao <hanyig1@student.unimelb.edu.au>, Ricardo Luo <yulail1@student.unimelb.edu.au>, Yue Fei <yfei@student.unimelb.edu.au>

Dear Mauro,

Thank you for telling me your preferred name. I've told everyone in the team about this. From now on, we'll call you Mauro to avoid buying you coffee haha :-)

Best regards,
Chenyang Dong

From: Mauro Mello Jr <mauro.mellojr@unimelb.edu.au>

Sent: Thursday, March 16, 2023 8:44:05 PM

To: Chenyang Dong <doncd@student.unimelb.edu.au>

Cc: KUNXI SUN <kunxis@student.unimelb.edu.au>; Hanyi Gao <hanyig1@student.unimelb.edu.au>; Ricardo Luo <yulail1@student.unimelb.edu.au>; Yue Fei <yfei@student.unimelb.edu.au>

[Quoted text hidden]

[Quoted text hidden]

17/03/23 Weekly Team Meeting #01



Chenyang Dong <dondc@student.unimelb.edu.au>

COMP90082 (2023S1)/DI: Weekly team meeting #01 - Fri 2023-03-17-W11 15:00–15:15
1 message

Mauro Mello Jr <mauro.mellojr@unimelb.edu.au>

Fri, Mar 17, 2023 at 2:39 PM

To: Mauro Mello Jr <mauro.mellojr@unimelb.edu.au>

Hi all in Digital Health (DI) project—

Apologies for the short notice—I would like to have a brief standup meeting today, Fri 2023-03-17-W11 15:00–15:15 with as many of you as possible to get your updates for the week so far, and the work ahead.

We will have regular meetings from next week and will discuss the potential meeting times, too.

Regards,

Mauro Mello Jr

Supervisor, COMP90082 (2023S1)

Zoom meeting on Mar 17, 2023 15:00 Australia/Melbourne

Join from PC, Mac, iOS or Android: <https://unimelb.zoom.us/j/85845048863?pwd=K1hxMWdvQktyUXVwK1NQcWI5SWFKdz09>
Password: 999773

Need to dial-in instead? Enter the meeting ID: 858 4504 8863 via +61 3 7018 2005 or +61 2 8015 6011

Or join from a H.323/SIP room system:

Dial: 85845048863@global.zoomcrc.com | or SIP: 85845048863@zmau.us | or 103.122.166.55
with meeting ID: 85845048863 and password: 999773

Help: <https://unimelb.service-now.com/it>

Legal: <https://www.unimelb.edu.au/legal>

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Emails with Other Parties

- 09-22/03/23 Request for Ontoserver License from ADHA
- 16/03/23 Enquiry about Ontoserver License from Faculty of FEIT
- 19/03/23 Inquiry about the 3M Healthcare Data Dictionary (HDD)
- 22/03/2023 Inquiry about Apelon DTS 4
- 22/03/2023 Inquiry about the HealthTerm
- 22/03/2023 Inquiry about the Symedical of Clinical Architecture

09-22/03/23 Request for Ontoserver License from ADHA

 <p>THE UNIVERSITY OF MELBOURNE</p>	Chenyang Dong < doncd@student.unimelb.edu.au >						
RE: Request for Ontoserver License SECRM:01991017 7 messages							
<p>Digital Health Help Centre <help@digitalhealth.gov.au> Thu, Mar 9, 2023 at 5:53 PM</p> <p>To: Chenyang Dong <doncd@student.unimelb.edu.au>, Digital Health Help Centre <help@digitalhealth.gov.au></p> <p>Hello Chenyang,</p> <p>I would be more than happy to help you obtain the Ontoserver software and have outlined the steps below:</p> <p>Ontoserver Licence To do this, I will need the following details for the organisation / individual that will be holding the licence.</p> <p>1. Organisation Name / Individual Name 2. ABN 3. Address 4. Contact name and details (phone, email) 5. Quay.io account ID (you can create an account at https://quay.io)</p> <p>Once I have this, I will create a licence with the above details included and signed by an authorised representative of the Agency. To execute the licence, this will need to be signed by an authorised representative of your organisation or yourself (if you are obtaining as an individual), and provided back to the Agency in its entirety for countersigning and execution. Please note that our licensing agreement with CSIRO, ONLY allows us to distribute Ontoserver to Australian Organisations or individuals. For use outside of Australia you will need to obtain a licence directly with CSIRO.</p> <p>Ontoserver Software The Ontoserver software is distributed via the CSIRO's Docker repository. Following receipt of the executed licence, I will notify you once access to the CSIRO Docker repository has been confirmed.</p> <p>NCTS Website Lastly, if you have not already, I would recommend that you have a look at the (https://www.healthterminologies.gov.au) and register your organisation, as this will enable you to licence and access SNOMED CT-AU terminology content, as well as create a system credential which will allow your local Ontoserver to connect and automatically obtain content when it is published. The website also contains the technical specifications for the Ontoserver API's.</p> <p>Any questions, please don't hesitate to contact me.</p> <p>Kind regards,</p> <p>Mitchell Richardson Customer Care Analyst Technology Operations</p> <p>[Redacted]</p> <p>Australian Digital Health Agency Level 17, 1 Eagle Street, Brisbane QLD 4000</p> <table border="1"><tr><td>Phone</td><td>1300 901 001</td></tr><tr><td>Email</td><td>help@digitalhealth.gov.au</td></tr><tr><td>Web</td><td>www.digitalhealth.gov.au</td></tr></table> <p>The Australian Digital Health Agency acknowledges the traditional owners of country throughout Australia, and their continuing connection to land, sea and community. We pay our respects to them and their cultures, and to Elders both past and present.</p> <p>Original Message From: Chenyang Dong <doncd@student.unimelb.edu.au> Received: 07/03/2023 10:40:32 GMT+1000 (Australian Eastern Standard Time) To: Digital Health Help <help@digitalhealth.gov.au>; Cc: doncd@student.unimelb.edu.au; yufei@student.unimelb.edu.au; ghy2941879036@gmail.com Subject: Request for Ontoserver License</p> <p>CAUTION: Cyber Security Awareness: This email originated from outside our organisation. Before acting on instructions contained in the email, clicking on links or opening attachments, please ensure that you recognise the sender and that you are confident the content is authentic and safe. If you suspect the email is not legitimate, then click on the Report Message option. Dear Help Desk,</p> <p>I am writing to request a free Ontoserver license for our project from the University of Melbourne. Our team is developing a platform that will assess if a medication has been appropriately prescribed to a patient, and we are interested in using Ontoserver to map short strings of text onto a knowledge base of canonical clinical terms known as SNOMED CT.</p> <p>Can you please arrange authorization for our Quay.io account so that we can access the Ontoserver repository?</p> <p>The email address to our quay.io accounts are (email ---- username): doncd@student.unimelb.edu.au --- doncd_p ghy2941879036@gmail.com --- hanyi_gao yufei@student.unimelb.edu.au --- yufei_luo yifei@student.unimelb.edu.au --- yifei</p> <p>Thank you for your help.</p> <p>Best regards, Chenyang Dong Important: This transmission is intended only for the use of the addressee and may contain confidential or legally privileged information. If you are not the intended recipient, you are notified that any use or dissemination of this communication is strictly prohibited. If you receive this transmission in error please notify the author immediately and delete all copies of this transmission.</p>		Phone	1300 901 001	Email	help@digitalhealth.gov.au	Web	www.digitalhealth.gov.au
Phone	1300 901 001						
Email	help@digitalhealth.gov.au						
Web	www.digitalhealth.gov.au						

Chenyang Dong < doncd@student.unimelb.edu.au >	Thu, Mar 9, 2023 at 6:42 PM
To: Digital Health Help Centre < help@digitalhealth.gov.au >	

Thank you for your reply. Below is information you requested.

Organisation Name: University of Melbourne

Individual Name: Chenyang Dong

ABN: 84 002 705 224

Address: The University of Melbourne, Victoria 3010 Australia

Contact name and details (phone, email): Chenyang Dong 0401783575 doncd@student.unimelb.edu.au

Quay.io account ID:

doncd@student.unimelb.edu.au --- doncd_p
ghy2941879036@gmail.com --- hanyi_gao

yulail1@student.unimelb.edu.au --- yulailuo

yffei@student.unimelb.edu.au --- yffei

Thank you so much!

Chenyang Dong

[Quoted text hidden]

Chenyang Dong <doncd@student.unimelb.edu.au>

Thu, Mar 16, 2023 at 4:18 PM

To: Digital Health Help Centre <help@digitalhealth.gov.au>

Dear Mitchell,

I hope this email finds you well. I'm following up on my request for an Ontoserver license, which I sent on 09/03/23. I provided the details that you requested, including the organization/individual name, ABN, address, contact name and details, and Quay.io account ID.

I was wondering if there is any update on the progress of my license request, or if there is any additional information or documentation required. I'm looking forward to accessing the Ontoserver software and using it to support our work.

If you need any further information or clarification from my end, please let me know, and I'll be more than happy to provide it. Thank you for your assistance and support.

Best regards,
Chenyang Dong

From: Chenyang Dong <doncd@student.unimelb.edu.au>
Sent: Thursday, March 9, 2023 6:42:40 PM
To: Digital Health Help Centre <help@digitalhealth.gov.au>
Subject: Re: Request for Ontoserver License SECRM:01991017

[Quoted text hidden]

Digital Health Help Centre <help@digitalhealth.gov.au>

Tue, Mar 21, 2023 at 4:52 PM

To: Chenyang Dong <doncd@student.unimelb.edu.au>, Digital Health Help Centre <help@digitalhealth.gov.au>

Hello Chenyang,

Apologies for the delay in this request, I have received approval from the Ontoserver representative for the University of Melbourne. I have sent through the [quay.io](#) details of all students who have applied for access, to CSIRO who will assess and whitelist the accounts. I will contact you again when I have received confirmation of completion of this final step.

Kind regards,

Mitchell Richardson
Customer Care Analyst
Technology Operations



Australian Digital Health Agency
Level 17, 1 Eagle Street, Brisbane QLD 4000

Phone	1300 901 001
Email	help@digitalhealth.gov.au
Web	www.digitalhealth.gov.au

The Australian Digital Health Agency acknowledges the traditional owners of country throughout Australia, and their continuing connection to land, sea and community. We pay our respects to them and their cultures, and to Elders both past and present.

----- Original Message -----

From: Chenyang Dong <doncd@student.unimelb.edu.au>
Received: Thu Mar 16 2023 15:18:52 GMT+1000 (Australian Eastern Standard Time)
To: Digital Health Help # <help@digitalhealth.gov.au>; Customer Care Mail Service <help@digitalhealth.gov.au>;
Subject: Re: Request for Ontoserver License SECRM:01991017

[Quoted text hidden]

[Quoted text hidden]

Chenyang Dong <doncd@student.unimelb.edu.au>

Tue, Mar 21, 2023 at 5:23 PM

To: Digital Health Help Centre <help@digitalhealth.gov.au>

Dear Mitchell,

Thank you for your reply. I just received the invitation to join team: aehrc/unimelbctsa. Does that mean it is the confirmation of completion of whitelisting or is there anything we should wait for?

Thank you very much!

Best regards,
Chenyang

From: Digital Health Help Centre <help@digitalhealth.gov.au>

Sent: Tuesday, March 21, 2023 4:52:50 PM

To: Chenyang Dong <doncd@student.unimelb.edu.au>; Digital Health Help Centre <help@digitalhealth.gov.au>; Digital Health Help Centre <help@digitalhealth.gov.au>

[Quoted text hidden]

[Quoted text hidden]

Digital Health Help Centre <help@digitalhealth.gov.au>

Wed, Mar 22, 2023 at 3:53 PM

To: Chenyang Dong <doncd@student.unimelb.edu.au>, Digital Health Help Centre <help@digitalhealth.gov.au>

Good afternoon,

That is correct, you should now have access. Nothing further needs to be done.

Kind Regards,

Taylor Scott
Customer Support Officer, Customer Care
Technology Operations

Australian Digital Health Agency
Level 17, 1 Eagle Street, Brisbane QLD 4000

[Quoted text hidden]

[Quoted text hidden]

[Quoted text hidden]

Chenyang Dong <doncd@student.unimelb.edu.au>

Wed, Mar 22, 2023 at 4:08 PM

To: Digital Health Help Centre <help@digitalhealth.gov.au>

Thank you so much!

[Quoted text hidden]

16/03/23 Enquiry about Ontoserver License from Faculty of FEIT

 THE UNIVERSITY OF MELBOURNE	Chenyang Dong < doncd@student.unimelb.edu.au >
COMP90082/DI: Request for Ontoserver License 4 messages	
Chenyang Dong < doncd@student.unimelb.edu.au > Thu, Mar 16, 2023 at 5:35 PM	
To: feit-gr-candidates@student.unimelb.edu.au	
Cc: KUNXI SUN < kunxis@student.unimelb.edu.au >, Hanyi Gao < hanyig1@student.unimelb.edu.au >, Ricardo Luo < yulail1@student.unimelb.edu.au >, Yue Fei < yffei@student.unimelb.edu.au >	
<p>Dear Officer,</p> <p>I am writing to request an Ontoserver license for our Master of Information Technology COMP90082 project from the University of Melbourne. Our team is developing a digital health platform that will assess if a medication has been appropriately prescribed to a patient, and we are interested in using Ontoserver to map short strings of text onto a knowledge base of canonical clinical terms known as SNOMED CT.</p> <p>We have contacted the Ontoserver team requesting a free license, however we are informed that University of Melbourne already holds an active license, but we were not provided with further details on how to obtain access to the software. Therefore, we are hoping to obtain an Ontoserver license from you directly.</p> <p>Our industry partner for this project is Dr. Daniel Capurro, and our supervisor is Mauro Mello Jr. We believe that the use of Ontoserver will be invaluable to our project and will significantly enhance our ability to deliver high-quality results.</p> <p>We would be grateful if you could provide us with the necessary information and steps to obtain an Ontoserver license for our project. Thank you for your time and assistance in this matter.</p> <p>Best Regards,</p> <p>Chenyang Dong</p>	

Chenyang Dong < doncd@student.unimelb.edu.au >	Thu, Mar 16, 2023 at 6:36 PM
To: feit-gr-candidates@student.unimelb.edu.au	
Cc: KUNXI SUN < kunxis@student.unimelb.edu.au >, Hanyi Gao < hanyig1@student.unimelb.edu.au >, Ricardo Luo < yulail1@student.unimelb.edu.au >, Yue Fei < yffei@student.unimelb.edu.au >, Daniel Capurro < dcapurro@student.unimelb.edu.au >, Mauro Mello Jr < mauro.mellojr@student.unimelb.edu.au >	

Dear Officer,

In this email, I'm writing to clarify that our request is being made on behalf of the COMP90082 industry project team (DI-BoxJelly).

Our team members include Chenyang Dong, Kunxi Sun, Hanyi Gao, Yulai Luo and Yue Fei, which are responsible of developing the software for our client, Dr. Daniel Capurro (cc'd). Also, our supervisor in the project is Mauro Mello Jr (cc'd as well).

We appreciate any assistance you can provide in processing our request. Please let us know if you require any further information or documentation from us.

Thank you for your time and consideration.

Best regards,

Chenyang Dong

[Quoted text hidden]

FEIT Graduate Research Current Students <feit-gr-candidates@unimelb.edu.au>

Fri, Mar 17, 2023 at 9:33 AM

To: Chenyang Dong <doncd@student.unimelb.edu.au>

Cc: KUNXI SUN <kunxis@student.unimelb.edu.au>, Hanyi Gao <hanyig1@student.unimelb.edu.au>, Ricardo Luo <yulail1@student.unimelb.edu.au>, Yue Fei <yffei@student.unimelb.edu.au>

Hi Chenyang,

Thank you for your email, I am afraid we are not able to help you on this, could you please contact [Student IT](#), they are best placed to help you on this.

Kind regards,

Naif

[Graduate Researchers: Adding your student ID in your subject line helps us to identify the correct student and associated details.](#)

For all things GR-related please bookmark and familiarise yourself with:

[Graduate Research Hub | University of Melbourne \(unimelb.edu.au\)](#)

[Making Changes | University of Melbourne \(unimelb.edu.au\)](#)

Dr Naif Alsowaidi B.Eng.(Hons), M.Eng.Sc, PhD | Graduate Research Officer

Faculty of Engineering and Information Technology

Level 1, Melbourne Connect

The University of Melbourne, Victoria 3010 Australia

E: naif.alsowaidi@unimelb.edu.au T: [+61383440623](tel:+61383440623) W: gradresearch.unimelb.edu.au

unimelb.edu.au | facebook.com/unimelb | twitter.com/unimelb

I acknowledge the Traditional Owners of the land on which I work, and pay my respects to the Elders, past and present.

CRICOS: 00116K

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From: Chenyang Dong <doncd@student.unimelb.edu.au>

Sent: Thursday, March 16, 2023 5:36 PM

To: FEIT Graduate Research Current Students <feit-gr-candidates@unimelb.edu.au>

Cc: KUNXI SUN <kunxis@student.unimelb.edu.au>; Hanyi Gao <hanyig1@student.unimelb.edu.au>; Ricardo Luo <yulail1@student.unimelb.edu.au>; Yue Fei <yffei@student.unimelb.edu.au>

[Quoted text hidden]

[Quoted text hidden]

Chenyang Dong <doncd@student.unimelb.edu.au>

Fri, Mar 17, 2023 at 10:21 AM

To: FEIT Graduate Research Current Students <feit-gr-candidates@unimelb.edu.au>

Cc: KUNXI SUN <kunxis@student.unimelb.edu.au>, Hanyi Gao <hanyig1@student.unimelb.edu.au>, Ricardo Luo <yulail1@student.unimelb.edu.au>, Yue Fei <yffei@student.unimelb.edu.au>

No worries. Thank you for your reply!

Best regards,

Chenyang Dong

From: FEIT Graduate Research Current Students <feit-gr-candidates@unimelb.edu.au>

Sent: Friday, March 17, 2023 9:33:22 AM

To: Chenyang Dong <doncd@student.unimelb.edu.au>

Cc: KUNXI SUN <kunxis@student.unimelb.edu.au>; Hanyi Gao <hanyig1@student.unimelb.edu.au>; Ricardo Luo <yulail1@student.unimelb.edu.au>;

Yue Fei <yffei@student.unimelb.edu.au>

Subject: RE: COMP90082/DI: Request for Ontoserver License

[Quoted text hidden]

19/03/23 Inquiry about the 3M Healthcare Data Dictionary (HDD)

RE: HDD Access: Inquiry about the 3M Healthcare Data Dictionary (HDD) for Digital Health Platform

External
Inbox

Michael Denton <msdenton@mmm.com>

1:29AM (19 hours ago)

to me, Pamela, Tom

Hi Chenyang, thanks for reaching out!

It sounds like you have an interesting use-case and we do have experience using SNOMED CT through our Healthcare Data Dictionary (HDD) to create similar data sets to what you described. The HDD is a relational database used for storing and navigating controlled medical vocabularies such as SNOMED CT or RxNorm. The HDD can be used for performing text-string searches to identify concepts that have representations (e.g. displays - identifiers, codes, descriptions, synonyms) or relationships (e.g. hierarchical, categorical) to other concepts as seen and used by standards including HL7. However, the HDD does not by itself provide "automapping" - you will need to create and maintain custom local mappings yourself, assuming that mapping as described in your use-case would be mapping descriptions from a local set of clinical terms to a standard set of SNOMED CT concepts. While we do have some publicly available map sets, we are not currently offering custom mapping services at this time.

HDD Access as seen on our website is for demo purposes only. The commercial offering of the HDD includes multiple standard terminologies which are maintained and provided in monthly content releases. Users will have access to an HDD search engine (HDD Browser) for navigation, RESTful APIs, and a database supported with Oracle and Microsoft SQL Server. The HDD can operate on Linux or Microsoft Windows (64 bit) operating systems and is web hosted or can be downloaded as an on-premise installation. Each client will have their own "version" of the HDD controlled by a user namespace that provides clients with the ability to customize local content, including the ability to view historical or iterative versions of a given terminology, map set, or data set. The HDD does include technical documentation for items such as software installation, database structures, RESTful API services, but no support services. An annual license starts at USD \$27,500 for development use.

Let us know if you have additional questions.

Thank you,

Michael Denton

-----Original Message-----

From: HDD Access <no-reply@mail.3mhis.com>

Sent: Sunday, March 19, 2023 12:39 AM

To: HI-HDD <hi-hdd@mmm.com>

Subject: [EXTERNAL] HDD Access: Inquiry about the 3M Healthcare Data Dictionary (HDD) for Digital Health Platform

This is an enquiry email via <https://www.hddaccess.com/> from:
Chenyang Dong <doncd@student.unimelb.edu.au>

Dear 3M team,

I hope this message finds you well. Our team is developing a digital health platform that will assess if a medication has been appropriately prescribed to a patient. We are looking for a mapping tool that can map short text strings onto a knowledge base of canonical clinical terms, specifically using SNOMED CT.

I came across the 3M Healthcare Data Dictionary (HDD) on your website and noticed that you offer a public version with detailed information on system requirements and supported technologies. We are interested in learning more about the 3M HDD and how it could potentially integrate with our platform.

To help us make a well-informed decision, we would appreciate if you could provide us with the following information:

- The release date of the latest version of the 3M HDD.
- Any software requirements or prerequisites, such as supported Database Management System (DBMS) options.
- The pricing structure for using the 3M HDD, including any available subscription plans or one-time fees.
- Information on the ease of integration with existing systems, such as compatibility with standard healthcare data exchange formats (e.g., HL7, FHIR) and available APIs.
- Technical support options and resources, such as documentation, training materials, and access to a dedicated support team.

Additionally, we would be grateful for any documentation, case studies, or testimonials that highlight the successful integration of the 3M HDD into similar digital health platforms.

Thank you for your time and assistance. We look forward to hearing from you soon and exploring the possibility of using the 3M Healthcare Data Dictionary in our project.

Best regards,
Chenyang Dong

22/03/2023 Inquiry about Apelon DTS 4

Reply from DTS 4 Team:

Hello Yue Fei,

Thank you for reaching out to learn more about Apelon's DTS! No license is required to use DTS for a non-commercial project. In fact, DTS is completely open-source and you could download and install it (and its source code, for that matter) for free from apelondts.org right now if you'd like. The business model around DTS is simple – while the terminology server software itself is free, it's essentially an empty container. To populate it, Apelon provides a standard terminology subscription service – push-button access to approximately 70 healthcare terminologies such as ICD-10, SNOMED CT, LOINC, and CPT – for approximately \$27,000 US per year. Additionally, we offer software support services – access to our Client Services team, guidance with installations and configurations, phone and email support, ServiceDesk ticket tracking, and more – for an additional \$15,000 US per year.

For full transparency, I've attached our boilerplate agreements for content and support services. This is all we'd want executed before you put DTS to use. If you have any other questions or would like a demo of the tool, please let me know!

Thanks,
Dan

Daniel S. Smith | [Apelon, Inc.](#) | Vice President | dsmith@apelon.com | 203.431.2530 x 157

...

Inquiry Email:

Dear Apelon DTS 4 Team,

I am a student of Information Technology at the University of Melbourne, and I am currently working on a digital health project. I came across your software, Apelon DTS 4, during my research and I am considering using it for my project.

However, before proceeding, I would like to inquire about the license requirement for using Apelon DTS 4 in a digital health project. Could you please let me know if a license is required to use your software for a non-commercial project like mine?

I would appreciate it if you could provide me with the necessary information regarding the licensing of Apelon DTS 4, including the terms and conditions, and any associated costs.

Thank you in advance for your prompt response. Please let me know if you require any further information from my end.

Looking forward to hearing from you soon.

Best regards,
Yue Fei

Agreement of service:



DTS Software Support Services V9.9.docx



Apelon Subscription Conte...vices Agreement v9.8.docx

22/03/2023 Inquiry about the HealthTerm

Dear Lyniate HealthTerm team,

I hope this message finds you well. Our team is developing a digital health platform that will assess if a medication has been appropriately prescribed to a patient. We are looking for a mapping tool that can map short text strings onto a knowledge base of canonical clinical terms, specifically using SNOMED CT.

I came across the HealthTerm on your website and noticed that you provide a platform for semantic interoperability, offering a full set of tools for terminology management. We are interested in learning more about the HealthTerm and how it could potentially integrate with our platform.

To help us make a well-informed decision, we would appreciate if you could provide us with the following information:

- The pricing structure for using the HealthTerm, including any available subscription plans or one-time fees.
- Information on the ease of integration with existing systems, such as compatibility with standard healthcare data exchange formats (e.g., HL7, FHIR) and available APIs.
- Technical support options and resources, such as documentation, training materials, and access to a dedicated support team.

Additionally, we would be grateful for any documentation, case studies, or testimonials that highlight the successful integration of the HealthTerm into similar digital health platforms.

Thank you for your time and assistance. We look forward to hearing from you soon and exploring the possibility of using the HealthTerm in our project.

Best regards,

Hanyi Gao

22/03/2023 Inquiry about the Symedical of Clinical Architecture

Ricardo Luo <yulail1@student.unimelb.edu.au>	Wed, Mar 22, 2023 at 4:29 PM
To: contact@clinicalarchitecture.com	
<p>Dear Clinical Architecture Staff:</p> <p>We are a team from the University of Melbourne. Our team is developing a platform that will assess if a medication has been appropriately prescribed to a patient. The primary objective of this platform is to determine whether medications prescribed to patients are appropriate by normalizing free-text clinical notes and mapping them to canonical clinical terms.</p>	
<p>We learn from your website that Symedical is a cutting-edge, vendor-neutral solution created to enhance the quality of healthcare data, offer a platform for the aggregation of clinical data, automate semantic normalization and interoperability, and enrich your data to make it meaningful and usable. We are curious to learn more about Symedical and how it might work with our platform.</p>	
<p>We would appreciate it if you could give us the following details so we can make an informed choice:</p> <ul style="list-style-type: none">• The date on which the most recent Symedical version was released.• Any software prerequisites or requirements, including options for supported Database Management Systems (DBMS).• The cost of utilizing Symedical, including any subscription plans or one-time costs that could be offered.• Details on how simple integration with current systems is, such as compatibility with HL7, FHIR, and other common healthcare data exchange standards, as well as information on available APIs.• Options and resources for technical help, including manuals, educational materials, and contact with a specialized support team.	
<p>I appreciate your help and time. We hope to get your reply soon to talk about how we can use Symedical in our project.</p>	
<p>Best Regards,</p>	
<p>Team DI-Boxjelly</p>	

Meetings

[Create meeting note](#)

Incomplete tasks from meetings

Description	Due date	Assignee	Task appears on
<input type="checkbox"/> Modify the Figma prototype to satisfy clients' suggestions and requirements versioning function			2023-03-24 Meeting notes - Client

All meeting notes

Title	Creator	Modified
2023-03-24 Meeting notes - Client	KUNXI SUN	39 minutes ago
2023-03-22 Meeting notes - Team	Ricardo Luo	about 11 hours ago
2023-03-10 Meeting notes - Client	Yue Fei	about 11 hours ago
2023-03-17 Meeting notes - Team	KUNXI SUN	yesterday at 10:59 PM
2023-03-04 Meeting notes - Team	KUNXI SUN	yesterday at 3:31 AM
2023-03-17 Meeting notes - Supervisor	Ricardo Luo	yesterday at 3:29 AM
2023-03-09 Meeting notes - Supervisor	Ricardo Luo	yesterday at 3:28 AM
2023-03-17 Meeting notes - Client	Hanyi Gao	yesterday at 3:28 AM
2023-03-12 Meeting notes - Team	Ricardo Luo	yesterday at 3:27 AM
2023-02-27 Meeting notes - Team	Ricardo Luo	yesterday at 3:27 AM

Team meetings

Attendee

Name	Email
Lang Cao	lancao@student.unimelb.edu.au
Mingjun Gao	mingjung1@student.unimelb.edu.au
Runzhe Hua	runzheh@student.unimelb.edu.au
Yanxi Ke	yake@student.unimelb.edu.au
Jiacheng Wang	jiacwang3@student.unimelb.edu.au

Meeting list

- 2023-02-27 Meeting notes - Team
- 2023-03-04 Meeting notes - Team
- 2023-03-12 Meeting notes - Team
- 2023-03-17 Meeting notes - Team
- 2023-03-22 Meeting notes - Team

2023-02-27 Meeting notes - Team

Date

27 Feb 2023

Attendees

- Ricardo Luo
- KUNXI SUN
- Chenyang Dong
- Hanyi Gao
- Yue Fei

Goals

- Know each other and discuss the projects.

Discussion items

Time	Item	Who	Notes
20 minutes	Icebreaker	All	<ul style="list-style-type: none">• Introduce ourselves
1 hour	Projects discussion	All	<ul style="list-style-type: none">• Discuss the projects
10 minutes	Next meeting plan	All	<ul style="list-style-type: none">• Plan the date and content of the next meeting

Action items

- review the projects Ricardo Luo KUNXI SUN @Chenyang Dong Hanyi Gao @Yue Fei

Details

Unknown:

BioLogic (code: BI)

Genyus Journey (code: GN)

Deliver-Eze (code: DE)

Digital Health (code: DI)

Science Island (code SC)

Motivational Modelling Editor (code MM)

Easy:

ARPANSA Film Dosimetry Management App (code: FI) - Could be selected

CoachingMate Garmin API (code: GA) - Could be selected

Middle:

Game of Ethics (code GE)

Praxhub (code: PR) - Could be selected

iOS Mobile App (code: IO) - Could be selected

Android Mobile App (code: AN) - Could be selected

WebRTC Virtual Doctor Platform (code: VD) - Could be selected

Hard:

ChatGPT and Nao Robot (code: NA) - Could be challenged

Farmbots (code: FA)

Sandbox Operator Framework (code: SA)

Decisions

Everyone selects three projects and then we vote to make a final decision.

2023-03-04 Meeting notes - Team

Date

04 Mar 2023

Participants

- KUNXI SUN
- Ricardo Luo
- Hanyi Gao
- Chenyang Dong
- Yue Fei

Goals

- Choose the project preference
- Submit the team form

Discussion topics

Time	Item	Presenter	Notes
10:00	Team form	Yue Fei	<ul style="list-style-type: none">• Fill in the team form
10:00	Project Preference	Ricardo Luo KUNXI SUN Hanyi Gao Yue Fei Chenyang Dong	<ul style="list-style-type: none">• Decide the project preference

Decisions

1. Project preference: PR, VD, DI

2023-03-12 Meeting notes - Team

Date

12 Mar 2023

Attendees

- Ricardo Luo
- KUNXI SUN
- Hanyi Gao
- Chenyang Dong
- Yue Fei

Goals

- Discuss and update the user story
- Discuss possible techniques
- Review and update the prototype

Discussion items

Time	Item	Who	Notes
20 mins	User story	All	<ul style="list-style-type: none">• Discuss and update the user story
20 mins	Techniques	All	<ul style="list-style-type: none">• Discuss possible techniques
20 mins	Prototype	All	<ul style="list-style-type: none">• Review and update the prototype

Decisions

All of us will try to use Figma to design the prototype in the next few days.

2023-03-17 Meeting notes - Team

Date

17 Mar 2023

Attendees

- [Hanyi Gao](#)
- [Chenyang Dong](#)
- [Yue Fei](#)
- [KUNXI SUN](#)
- [Ricardo Luo](#)

Goals

- Discuss the role of the team
- Describe 2-3 personas
- List all the user stories and use cases, story point
- Technique to use in this project
- Confluence environment(cover page, project details, requirements, technical details about the project, meeting minutes and so on)
- Finish the Readme file on GitHub (project description/branches/naming conventions and so on)

Discussion items

Time	Item	Who	Notes
20min	Discuss the role of the team	All	
20min	Describe 2-3 personas	All	
20min	List all the user stories and use cases, story point	All	
20min	Technique to use in this project	All	
20min	Confluence environment(cover page, project details, requirements, technical details about the project, meeting minutes, and so on)	All	
20min	Finish Readme file on Github (project description/branches/naming conventions and so on)	All	

Action items

Role:

Name	Role
KUNXI SUN	Backend, Design, Operation
Hanyi Gao	Frontend, Testing, Design
Chenyang Dong	Scrum Master, Frontend, Backend
Yue Fei	Frontend, Backend, UX
Ricardo Luo	Frontend, Backend, UX

- Personas: The person who does the curated job, the person who wants to use the platform to do mapping task, and the person who want the platform to train a better performance model (Daniel)
- User stories
- Technique:**
Backend: Python Flask, Nginx, Gunicorn, Docker, Ansible
Frontend: React, HTML, JS, CSS, Ant Design
Database: MongoDB
Mapping tool: Ontoserver and other potential alternatives
- Confluence: cover page

2023-03-22 Meeting notes - Team

Date

22 Mar 2023

Attendees

- Ricardo Luo
- Hanyi Gao
- Chenyang Dong
- Yue Fei
- KUNXI SUN

Goals

- Complete ongoing collaborative tasks and Assign the remaining tasks.

Discussion items

Time	Item	Who	Notes
1 hour	Collaborative tasks such as the Miro user story map	All	<ul style="list-style-type: none">• Complete ongoing collaborative tasks
30 mins	Finished tasks such as personas	All	<ul style="list-style-type: none">• Review Finished tasks
30 mins	Remaining tasks such as use cases and user stories	All	<ul style="list-style-type: none">• Assign the remaining tasks and place them on Trello

Action items

- Finalize all the submission items. Ricardo Luo Hanyi Gao Chenyang Dong Yue Fei KUNXI SUN

Decisions:

- Finish all the Remaining tasks by tomorrow evening.
- Make proper movements on Trello.
- Release tags are generated.
- Submit the checklist and Confluence Space as PDFs.

Client meetings

Team BoxJelly weekly catch-up @ Weekly from 10am to 10:30am on Friday from Fri Mar 17 to Fri Jun 30 (AEDT) (Vlada Rozova)

Zoom meeting on Mar 17, 2023 11:00 AM Australia/Melbourne

Join from PC, Mac, iOS or Android: <https://unimelb.zoom.us/j/83403070257?pwd=VjVJakZwTGI5a1FoOWtmNINtTzN2Zz09>
Password: 120668

Need to dial-in instead? Enter the meeting ID: 834 0307 0257 via +61 3 7018 2005 or +61 2 8015 6011

Or join from a H.323/SIP room system:

Dial: 83403070257@global.zoomcrc.com | or SIP: 83403070257@zmau.us | or 103.122.166.55
with meeting ID: 83403070257 and password: 120668

Help: <https://unimelb.service-now.com/it>

Legal: <https://www.unimelb.edu.au/legal>

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When

Weekly from 10am to 10:30am on Friday from Friday Mar 17 to Friday Jun 30 (Eastern Australia Time - Sydney)

Location

<https://unimelb.zoom.us/j/83403070257?pwd=VjVJakZwTGI5a1FoOWtmNINtTzN2Zz09>;

Melbourne Connect !290-4-4101-Meeting Room (8), !290-4-4101-Meeting Room (8)

Organizer

Vlada Rozova
vlada.rozova@unimelb.edu.au

Guests

doncd@student.unimelb.edu.au
hanyig1@student.unimelb.edu.au
kunxis@student.unimelb.edu.au
Mauro Mello Jr
Mike Conway
yfei@student.unimelb.edu.au
yulail1@student.unimelb.edu.au
Daniel Capurro

2023-03-10 Meeting notes - Client

Date

10 Mar 2023

Attendees

- @Daniel Capurro
- @Vlada Rozova
- Chenyang Dong
- Yue Fei
- Hanyi Gao
- KUNXI SUN
- Ricardo Luo
- All team members of DI-Redback

Goals

- Decide the project scope, expected outcome, timelines and communication throughout the semester

Discussion items

Time	Item	Who	Notes
5 minutes	Introduction	Daniel, Chenyang and Lang	<ul style="list-style-type: none">• Introduce Daniel's background and introduce team members
20 minutes	Introduction	Daniel	<ul style="list-style-type: none">• Introduce project background, data sources and expected outcome.
30 minutes	Discussion	All of attendees	<ul style="list-style-type: none">• Discuss the project scope, user stories, expected outcome, timelines and communication throughout the semester.

Action items

- Finished our user stories and prototype
- Decide software architecture and finish sprint planning by the end of week4
- Decide the next meeting dates and times

Decisions

- Decide two groups working separately
- Decide personas have 2 modes: one mode for training and one mode for inference.
- Decide expected outcome have 5 parts: map, visualise, curate, feedback curated mapping and download.

2023-03-17 Meeting notes - Client

Date

17 Mar 2023

Attendees

- @Vlada Rozova
- @Mike Conway
- Hanyi Gao
- Chenyang Dong
- Yue Fei
- KUNXI SUN
- Ricardo Luo

Goals

- Sync progress with the clients
- Have a more clear understanding of the clients' vision and the project details

Discussion items

Time	Item	Who	Notes
10min	the uncertain part the team has	All	<ul style="list-style-type: none">• Discuss the Ontoserver license• Discuss what the Universal Indication List (UIL) looks like• Discuss the other tool options apart from Ontoserver
10min	the project details - part 1	All	<ul style="list-style-type: none">• Discuss how to curate the data
20min	the project details - part 2	All	<ul style="list-style-type: none">• Discuss the prototype and the functionalities in different modules

Action items

- Update the user story based on the clients' requirements
- Update the prototype based on the clients' requirements

2023-03-24 Meeting notes - Client

Date

24 Mar 2023

Attendees

- @Daniel Capurro
- @Vlada Rozova
- @Mike
- @Brain
- [Chenyang Dong](#)
- Yue Fei
- Hanyi Gao
- [KUNXI SUN](#)
- Ricardo Luo

Goals

- Present the latest prototype
- Talk about the use case
- Ask for the infrastructure if secure research unimelb

Discussion items

Time	Item	Who	Notes
25 minutes	Show mapping, curate, and visualization prototypes	Chenyang Dong	<ul style="list-style-type: none">• Vlada: store every version mapping dictionary,• Brain: The way to performance makes sense, back the time of use case• Daniel from the chat: Looks good
5 mins	Show team management prototype	Chenyang Dong	<ul style="list-style-type: none">• Vlada: We like the user management, someone can do something, others cannot, but we want transfer owner, multiple admins• Vlada: People may find a new job. We should give access to every member, so everyone can add people.

Action items

- Modify the Figma prototype to satisfy clients' suggestions and requirements versioning function

Decisions

- Vlada would create a Slack channel and invite all of us.
- Vlada would review the "Mapping Tools" document to make future decisions.

Supervisor meetings

COMP90082 (2023S1)/DI Weekly Team Meeting (W09-21) from 4:30pm to 5:30pm on Thursday from Thu Mar 30 to Thu May 25 (AEDT)

Zoom meeting on This is a recurring meeting Meet anytime

Join from PC, Mac, iOS or Android: <https://unimelb.zoom.us/j/82255631087?pwd=RXdVdHJCbnh1bEtLZWhDQ21jY3ZCUT09>
Password: 416967

Need to dial-in instead? Enter the meeting ID: 822 5563 1087 via +61 3 7018 2005 or +61 2 8015 6011

Or join from a H.323/SIP room system:

Dial: 82255631087@global.zoomcrc.com | or SIP: 82255631087@zmau.us | or 103.122.166.55
with meeting ID: 82255631087 and password: 416967

Help: <https://unimelb.service-now.com/it>

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When

Weekly from 4:30pm to 5:30pm on Thursday from Thursday Mar 30 to Thursday May 25 (Eastern Australia Time - Sydney)

Location

<https://unimelb.zoom.us/j/82255631087?pwd=RXdVdHJCbnh1bEtLZWhDQ21jY3ZCUT09>

Organizer

Mauro Mello Jr
mauro.mellojr@unimelb.edu.au

Guests

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yake@student.unimelb.edu.au
yffei@student.unimelb.edu.au
yulail1@student.unimelb.edu.au

2023-03-09 Meeting notes - Supervisor

Date

09 Mar 2023

Attendees

- Mauro Mello Jr
- Ricardo Luo
- KUNXI SUN
- Chenyang Dong
- Hanyi Gao
- Yue Fei
- All team members of DI-Redback

Goals

- Have our first one-hour e-meeting

Discussion items

Time	Item	Who	Notes
5 minutes	Introduction	Mauro Mello Jr	<ul style="list-style-type: none">• Introduce himself
5 minutes	Introduction	Mauro Mello Jr	<ul style="list-style-type: none">• Introduce our clients
40 minutes	Lesson	Mauro Mello Jr	<ul style="list-style-type: none">• Explain the concepts of technical terms and the procedures of a project
30 minutes	Discussion	All members of the two teams	<ul style="list-style-type: none">• Plan the first meeting with Prof Daniel Capurro and Dr. Vlada Rozova
30 minutes	Discussion	All members of our team	<ul style="list-style-type: none">• Discuss our skills and techniques

Action items

- Send emails to Prof Daniel Capurro and Dr. Vlada Rozova to set a meeting time.

Decisions

Decide the regular meeting time with Prof Daniel Capurro and Dr. Vlada Rozova.

2023-03-17 Meeting notes - Supervisor

Date

17 Mar 2023

Attendees

- Mauro Mello Jr
- Ricardo Luo
- Hanyi Gao
- Chenyang Dong
- Yue Fei
- KUNXI SUN

Goals

- Keep Mauro informed of the newest process of our project.

Discussion items

Time	Item	Who	Notes
20 minutes	Review process	Both teams	<ul style="list-style-type: none">• Prepare multiple plans rather than one• Set a clear deadline for each step and task

Decisions

Decide a regular meeting time soon.

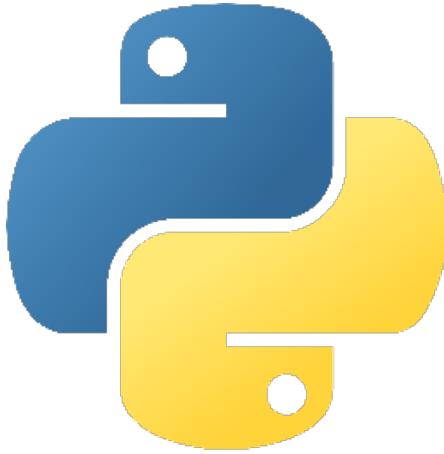
Development

This page houses documentation related to the development of the mapping system.

- [Technical Details](#)

Technical Details

Programming language



Architecture Overview

Front-end and back-end separation

From the perspective independently, we separate the frontend and backend, so that each part can be developed, maintained, and scaled independently. From the perspective of software future extensibility, as we aim to handover several docker images including backends docker images and frontend docker images for our client. This separation of concerns simplifies the development process, so that we can implement the code by separated the groups into frontend and backend. For the project to be further extent in the future, this architecture is easier to allow it to be developed as a complex applications. On the other hand, if the client decide to change the backend technology or migrate to a different frontend framework in the future implementation of the project, having a clear separation between the two will make the transition smoother and less disruptive.

Microservice

Microservice is an popular architecture in todays software, as it offers various benefits in terms of scalability, maintainability, and flexibility. Microservices can be independently scaled based on their specific resource requirements or load, allowing the project to handle increased demand more efficiently. This can lead to more cost-effective use of resources and better performance under varying workloads. In addition, microservices can be implemented using different programming languages, frameworks, or technologies, based on the requirements of each service. This enables the future development teams who aim to improve this project to choose the best tools for their specific needs and avoid being locked into our current technology stack. Furthermore, microservices are smaller and more focused than monolithic applications, making them easier to understand, maintain, and update. This can lead to improved code quality, reduced technical debt, and a lower likelihood of bugs or issues. Lastly, Microservice architecture promotes modular design and separation of concerns, making it easier to manage complexity and maintain a clear focus on individual components, and each service can be on different infrastructure components, allowing for more efficient use of resources and better distribution of workloads.

Backend

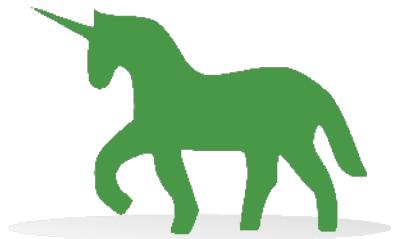
Flask, Gunicorn, and Nginx are popular choices for web development projects due to their ease of use, flexibility, and high-performance. These choices allow the team to quickly develop and deploy a robust, scalable and efficient web application that meets the client's requirement.

Flask provides the freedom to design the application's structure and architecture as you see fit, making it suitable for a wide variety of projects with different requirements and constraints. As the project is to intergrate the functions from Mapping tools such as Ontoserver.

[More about Flask](#)



Flask



Gunicorn is usually applied as a combination with Flask application. By using Gunicorn as the WSGI server, the application can efficiently manage multiple concurrent requests, leading to better performance and a more responsive user experience.

[More about Gunicorn](#)



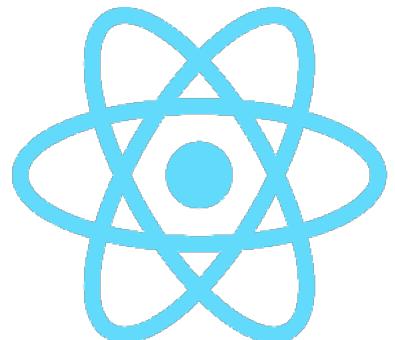
NGINX

Nginx is widely used which is known for its high-performance capabilities and ability to handle a large number of simultaneous connections. It also provides load balancing, caching, and SSL termination, which further improves your application's performance, security, and reliability.

[More about Nginx](#)

Frontend

We use React and Ant Design for the frontend, the project can benefit from a modular, maintainable, and scalable architecture that enables efficient development and collaboration. This approach also allows for greater flexibility in adapting to future changes or integrating with external services.

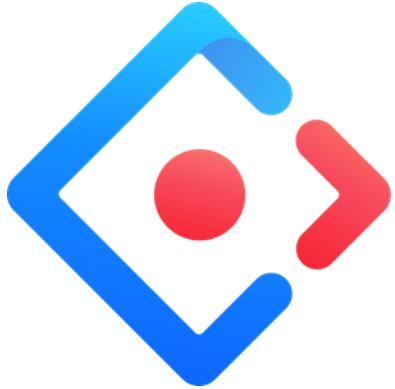


React is a popular, powerful, and efficient JavaScript library for building user interfaces. It utilizes a component-based architecture, making it easy to create modular, reusable UI components. React's virtual DOM ensures high performance and efficient updates, leading to a smoother user experience.

[More about React](#)

Ant Design is a comprehensive UI design framework for React applications. It provides a wide range of pre-built, customizable components that follow a consistent design language, which accelerates the development process and ensures a professional-looking application.

[More about Ant design](#)



Database



MongoDB is a popular NoSQL database management system that stores data in a flexible, JSON-like format called BSON (Binary JSON). Here are some reasons why we choose MongoDB for this project:

1. Schema flexibility: MongoDB allows for a dynamic and flexible schema, which means developers can store data without defining a fixed structure beforehand. This is particularly useful when dealing with diverse data types or when the data model is expected to evolve over time.
2. Scalability: MongoDB is designed to scale horizontally, which makes it suitable for projects that need to handle large amounts of data or high-traffic loads. It supports sharding and partitioning, allowing the database to distribute data across multiple servers for better performance and fault tolerance.
3. High performance: MongoDB's document-based storage model allows for faster and more efficient queries when compared to traditional relational databases. It also supports indexing and caching for improved query performance.
4. Rich query language: MongoDB offers a powerful query language that supports a wide range of operations, including filtering, sorting, aggregation, and text search. This allows developers to build complex and efficient queries for their applications.
5. Developer-friendly: MongoDB has extensive support for various programming languages, with official drivers and libraries available for popular languages such as JavaScript, Python, Java, and C#.

[More about mongoDB](#)

Deployment

We use Docker and Ansible for deployment which can make the project benifitted from the consistency, scalability, and automation. It can streamline the deployment process and improve infrastructure's reliability. However, Ansible require a learning curve, which might be a challenge for future teams.

Docker enables us to package the project and its dependencies in a container, ensuring consistency across development, testing, and production environments. This eliminates the "it works on my machine" problem and streamlines deployment. In addition, as we decided to use stucture our project as microservice architecture, docker is the most prevalent tools to helps us to fulfill this goal. Furthermore, Docker containers run in isolation, reducing the risk of conflicts between applications or dependencies. This isolation improves the security and reliability of the services. Lastly, Docker makes it easy to scale applications horizontally by deploying additional containers. This scalability allows future teams to add more functions("components") into the system.

[More about Docker](#)

Ansible uses a declarative language, implemented by python, to define the project infrastructure and configurations, which means the infrastructure is treated as code. This enables version control, easier collaboration, and improved maintainability. It automates the deployment, configuration, and management of infrastructure by reducing manual effort and the potential for human error. Unlike some other configuration management tools, Ansible is easy to install, because it is a python package, and can be easy install by 'pip install ansible' which does not require an agent to be installed on the production system.

Ansible's playbooks are idempotent, meaning they can be run multiple times without causing unintended side effects. This ensures consistent and predictable results when applying configuration changes.

[More about Ansible](#)



ANSIBLE

Server configuration

Dev Cloud Server

Public IP	101.43.110.249
Email	895023420@qq.com
Password	*****
Instance ID	Ihins-6y84pbke
Instance name	Ubuntu
Area	Shanghai
secret key	Ihkp-j8q3flr4

Database

Address	http://101.43.110.249:27017/
admin username	boxjelly
admin password	di_boxjelly90082
Connection URL	mongodb://boxjelly:di_boxjelly90082@101.43.110.249:27017/

Web

Address	http://101.43.110.249/
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