



Australian
National
University



NFT2.0 - Immutable Qualification

Australian National University TechLauncher Audit 3

24-S1-2-C Immutable Team

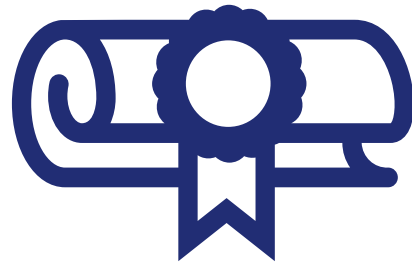
Table of Contents

- Project Intro
- Project Output (+ Demo)
- Addressing Stakeholder Feedback
- Documentation Artifacts
- Project Management
- Going Forward (Next Semester)

Project Intro

The Design Problem – The User

- Physical credentials are **expensive to replace** / **easily get lost** / hard to keep track of
- Most credential managers won't let you store **microcredentials**, which may limit what is verifiable on your resume
- Some metadata can be used to **commit identity theft**.
 - Most credential managers store your information on a centralized databases, which is more vulnerable to data leaks.



The Design Problem – The Employer and Institution

For the employer:

- Verifying a prospective employee's credentials can be time-consuming and costly.
- Investigating some claims may even require a middlemen, which adds to cost.

For the institution:

- Smaller institutions that offer **microcredentials** will not have their credentials indexable by checkers like the Australian Qualification Check



The Design Solution – Immutable

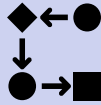
- **Credentials are stored as NFT:**
 - Non-fungible by nature
 - Tamper-proof from third parties
- **Can store a wide range of credentials:**
 - AQF qualification (i.e., Certificates, diplomas and degrees, etc...)
 - Microcredentials (i.e., VET skill sets, units of competency, etc...)
- **Plans to store on a decentralized database:**
 - More secure from data leaks
 - Easily scalable
 - Less server down-time

Project Output (+ Demo)

Work Packages This Semester



**Microcredential
Framework
Compliance**



**Application
Process Uplift**



**Decentralised
Hosting**



**Project
Maintenance**

Microcredential Framework Compliance

New NFT Request

Qualification Data

Please enter the data you want to store in your qualification

Title
brief description

Provider
provided name

Date of Delivery
DD-MM-YYYY

Description
key content that will be taught

Language
language

Learning Outcome
The knowledge, skills or competencies a student will acquire upon completing a

Learner Effort
Input hours, i. Number of hours of in-person face-to-face contact with teaching

Inherent Requirements
The resource(s) (if any) needed to undertake a s

Assessment
list, competency vs proficiency, onsite or off site, input location if onsite

Certification

Inherent Requirements

The resource(s) (if any) needed to undertake a s

Assessment

list, competency vs proficiency, onsite or off site, input location if onsite

Certification

Credit/Other Recognition

Quality Assurance

Input statement of quality assurance processes applied to the microcredential

Price and Financial Assistance

payment methods

Expiration of the Microcredential Date

DD-MM-YYYY

Depth of Learning

The mastery level of a learner upon achievement of learning outcomes.

Jurisdiction

The institutions or jurisdictions where the microcredential is applicable or recognised.

Industry Support

A statement of support from industry.

Recommended Prior

Skills recommended to complete before attempting to undertake the microcredential

Stackability

Any other microcredentials that a microcredential combines with.

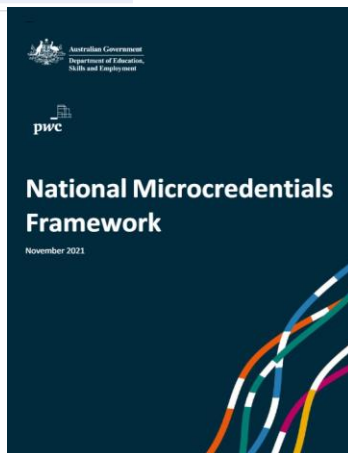
Industry/Occupation

Industry/s that a microcredential sits within

Industry Alignment










Industry competency framework/s that a microcredential may be aligned to

Submit



Admin Dashboard

BACK

ID	TITLE	DATE OF DELIVERY	DESCRIPTION	PROVIDER	LANGUAGE	
1	4	01/04/2001, 00:00:00	4	4	4	  
2	s	Invalid Date	s	s	s	  
3	1	01/03/2001, 00:00:00	4	2	5	  

FILTER BY STATUS: All

Request List

ID	TITLE	PROVIDER	DESCRIPTION	PRICE	
1	4	4	4	4	Mint
2	s	s	s	s	Mint
3	1	2	4	12	Mint

Application Process Uplift

Database Explorer

@localhost 5

information_schema

mydb

tables 7

roles

user_nfts

users

verification_codes

roles x

user_roles

WHERE

id

name

1

ROLE_USER

2

ROLE_MODERATOR

3

ROLE_ADMIN

4

ROLE_INSTITUTION

users

user_nfts

user_orders x

WHERE

request_time

status

user_id

assessment

date_of_delivery

inherent_requirements

language

learner_effort

1

<null>

<null>

4

cd

<null>

no

English

cd

2

<null>

<null>

4

cd

<null>

no

English

cd

Institution Dashboard

ID	Username	Email	Actions
3	Aria	514444342@qq.com	Manage request
4	Nuoxi	qnx0906@163.com	Manage request

contour

Home FAQs Subscription My Request

NEW NFT
Badge Design
Reset Password
Edit Profile
Log Out

199 World Ranking
10 Awarded badges
22 Completed courses
Connect Wallet

Nuoxi (INSTITUTION)

You Haven't Set Up Your Profile, Go to Set It!

Minted Badges

Products
Degree Verification
Institution Onboarding
Job Market Integration

Resources
Whitepaper
API Documentation
Institutional Guide

Company
About Us
Contact
Career Opportunities

localhost5173/profile

FAQs Subscription Institution Board My Request

LANGUAGE

✓

✗

📖

📝

✓

✗

📖

📝

Decentralised Hosting and Project Maintenance

Immutable NFT

System Architecture Document

Version 3.0

Contour group

Document Authors:

V3.0

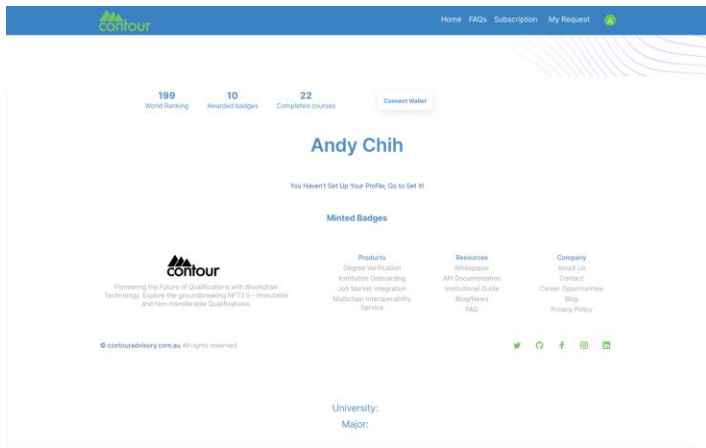
Nuoxi Qin u7527676
Mitchell Barker u7284995
Andy Chih u7574003
Bohong Sun u7546803
Songxuan Li u7756861
Linxi Li u7095375

V2.0

Zeyi Wu u7464326
ZiYang Feng u7517105
Tao Xu u7546928
Nuoxi Qin u7527676

V1.0

Zitao Zhang u7377587
Zeyi Wu u7464326
Yuhan Zhang u7262936
ZiYang Feng u7517105
Tao Xu u7546928
Nuoxi Qin u7527676



Outline

This is a research document outlining potential options for decentralized hosting of the Immutable platform.

For more information on what decentralized hosting is and how it works, here is an online [research report](#) for clarification.

Selection Criteria

- Need to have the capabilities of:
 - **Cloud Storage:** We require cloud storage to safeguard and manage our users' data, enabling us to perform various operations like data retrieval, backup, and updates
 - **Domain Name System (DNS):** DNS is a must since we need it to do our order (connect, search, authenticate), however, how many queries we need should be dependent on our business volume.
 - **Content Delivery Network (CDN):** CDN decides the float number of customers of a zone using our web. We need to decide how many gigabytes(GB) of data we are going to assign to each zone based on our customer volume in different areas.
 - **CPU:** requirements are to be determined after live testing
- Reasonable pricing plan
- Reliable reputation for hosting other websites
- Actively being maintained
- Active tech support

Options

Identify 8 different options for decentralized hosting, in no particular order.

Project Maintenance

Additional UI/UX Bug Fixes

Systems Architecture Document (SAD) Upkeep

Status Board and Task List

Immutable-2024S1

Task List RoadMap Status Board Individual Work Log Acceptance Criteria Ch...

Filter by keyword or by field

Title	Assignees	Status	
67 Making showcase video #213	Andy-Chih, arianxq...	Done	
68 Fix bug cannot show the institution ad... #214	wat3r-m3lon	Done	
69 Fix bug "cannot link the institution adm... #215	Andy-Chih	Done	
70 bug "blank page" #216	arianxq	Done	
71 Add "institution admin board compone... #217	arianxq	Done	
72 Edit video, poster for showcase #218	Andy-Chih	Done	
73 Add view and edit button on "Manage r... #219	leinli	In Progress	
74 On the frontend calling the classify req... #220	Andy-Chih	In Progress	
75 Prepare PowerPoint and scripts for audit3 #221	Andy-Chih, arianxq...	In Progress	
76 Research bringing project online to we... #222	arianxq, lisongxuan...	Done	
77 Web hosting report #223	barkerm20	In Progress	
78 Documentation Overhaul #224	barkerm20	Done	
79 Update system architecture document #226	Andy-Chih and wat...	In Progress	

perspicacious-slinki / Projects / Immutable-2024S1

Q Type to search

Immutable-2024S1

Task List RoadMap Status Board Individual Work Log Acceptance Criteria Ch... New view

Filter by keyword or by field

Todo 0

This item hasn't been started

In Progress 8

This is actively being worked on

Immutable2024s1ANUTechlauncher #192
Build front end of Institution request page

Immutable2024s1ANUTechlauncher #197
Migrate and Update Team Meeting Minutes

Immutable2024s1ANUTechlauncher #200
Click "manage request" button in institution dashboard to jump into modal2 page

Immutable2024s1ANUTechlauncher #219
Add view and edit button on "Manage request modal 2" in institution dashboard page

Immutable2024s1ANUTechlauncher #220
On the frontend calling the classify requests by institution function written in the backend

Immutable2024s1ANUTechlauncher

+ Add item

Done 71

This has been completed

Immutable2024s1ANUTechlauncher #134
A. Initiate the Project Repo/Onboarding - 24s1

Immutable2024s1ANUTechlauncher #137
B. National Microcredential Framework Compliance

Immutable2024s1ANUTechlauncher #142
B.1.1 Comprehension of the National Microcredential Framework

Immutable2024s1ANUTechlauncher #143
B.2.1 Update Frontend with Required Metadata for NFT Request Page

Immutable2024s1ANUTechlauncher #147
B.2.1.1 Update frontend form with unique input elements

+ Add item

Video Demo of website

- <https://youtu.be/2bXwaE7oj8c>
- Web changing since last demo:
- Database
- Admin page
- Institution admin page
- Request page
- Home page





Addressing Stakeholder Feedback

Feedback from Audit 2

Issue: **Task Completion Rate is Low** // // What's Observed: From GitHub records, only 3 out of 27 tasks are marked as done, with little substantial progress week to week. // // Suggested Solution: Prioritize the task list and introduce weekly sprints. Ensure tasks are broken down into smaller, more manageable pieces and assign clear owners to each sprint task to improve completion rates. Shadow

Presented the current deliverables aligned with the milestones and screenshots as evidence of the output work. However, the "ticketing system" has not updated and align with the milestones, **all the tasks that have been completed should show in the "ticketing system"** Shadow

The team is at a stage where **everyone needs to prove their leadership and initiative**. Look forward to seeing some fresh progress and a lot of well-organised and well-coordinated outputs. Tutor

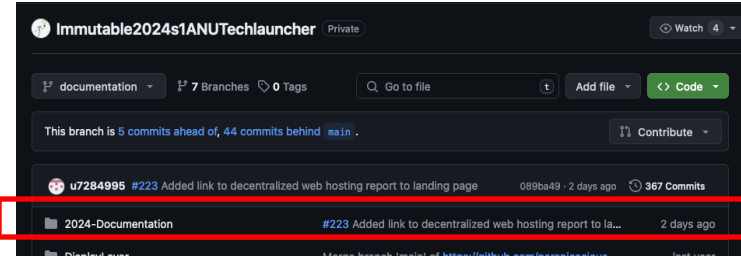
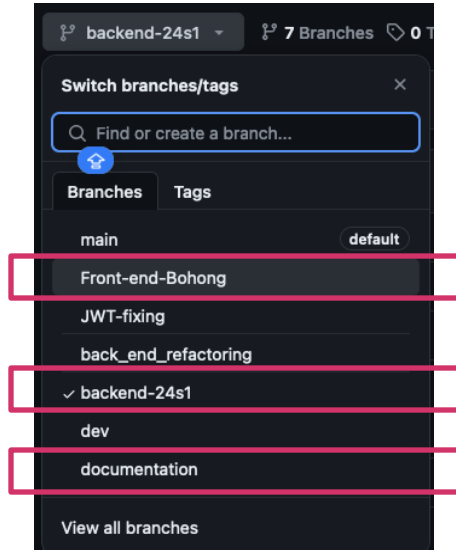
decision making process can sometimes be a bit difficult with not everyone available to respond in a timely manner. However, decision making during in-person and video call meetings is good. There are also some issues with the team struggling to evaluate or understand the feedback from our tutor and examiner. It may be beneficial if we use something like google docs to track meeting minutes (live edits), so everyone can properly understand the feedback from our tutor. Self

While direct communication is vital, **not having a record of these discussions** can lead to information silos, where knowledge and decisions are not effectively shared across the team. Feedback: To enhance team communication, it's beneficial to establish norms around using digital communication tools where conversations are logged and accessible. Tools like Slack, Microsoft Teams, or even dedicated channels within project management software can serve this purpose. These platforms can support informal discussions, formal decision-making, and everything in between, ensuring that team members are informed and engaged. // // Promoting Teamwork Manifestation Observation: The inability to see the manifestation of teamwork could imply that the team lacks a defined strategy for collaborative work or fails to recognize and celebrate collective achievements. This situation can affect morale and diminish the value of team synergy in achieving project goals. // // Shadow

The purpose of good decision-making is that challenges the teams confront and treated rationally and in a manner that can be referred to later. This system doesn't seem to be in place at the moment, an authentic mechanism to make decisions (that can also be referred to by any necessary stakeholders later) should be implemented. // // Tutor

Team coordination in producing project outcomes is good when done in-person. However the **team needs to improve working coherently online when using git issues with commits.** It may be beneficial to spend some time during team meetings enforcing good version control habits to practice. We should also be assigning reviewers to issues to ensure project outputs are being checked by more than one person. Self

Corrective Actions of Feedback



Name	Teams Contact	Location	Role	Weekly Record
Nuoxi Qin	u7527676@anu.edu.au	on-campus	Project Manager, Frontend developer	Weekly Status Report (Code)
Linxi Li	u7095375@anu.edu.au	on-campus	UI designer, Full-stack Developer	
Mitchell Barker	u7284995@anu.edu.au	on-campus	Quality Assurance	Client Meeting Minutes, Tutorial Log, Team Meeting Minutes, Risk log, Client Meeting Agenda, Weekly tutorial agenda, Weekly Status Report (Documentation and Adminstination)
Bohong Sun	bohong.sun@anu.edu.au	on-campus	DevOps engineer, Database developer	
Songxuan Li	u7756861@anu.edu.au	on-campus	Front-end developer, Back-end developer	
Andy Chih	u7574003@anu.edu.au	on-campus	Full-stack developer	

Documentation Artifacts

A very quick overview...

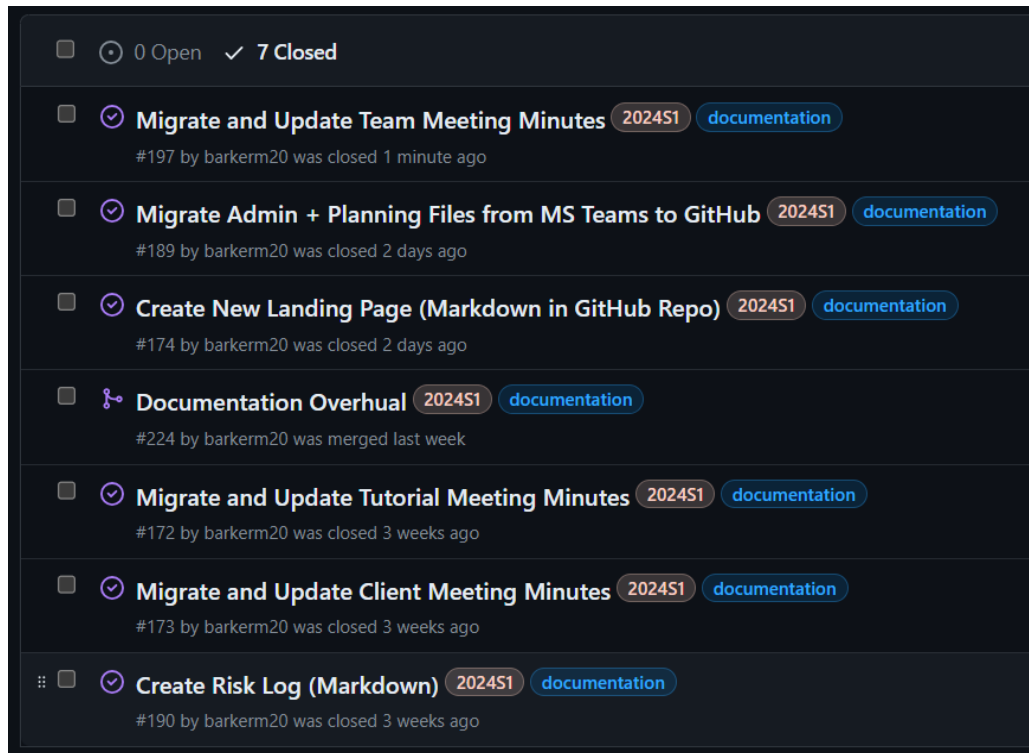
Changes to Team Charter

Team Charter was changed to ensure all documentation artifacts were the responsibility of one person

- Far easier to manage for everyone
- Coding team could focus on work packages
- Consistent quality throughout documentation

Name	Teams Contact	Location	Role	Weekly Record
Nuoxi Qin	u7527676@anu.edu.au	on-campus	Project Manager, Frontend developer	Weekly Status Report (Code)
<u>Linxi Li</u>	U7095375@anu.edu.au	on-campus	UI designer, Full-stack Developer	
Mitchell Barker	u7284995@anu.edu.au	on-campus	Quality Assurance	Client Meeting Minutes, Tutorial Log, Team Meeting Minutes, Risk log, Client Meeting Agenda, Weekly tutorial agenda, Weekly Status Report (Documentation and Administration)
<u>Bohong Sun</u>	bohong.sun@anu.edu.au	on-campus	DevOps engineer, Database developer	
<u>Songxuan Li</u>	u7756861@anu.edu.au	on-campus	Front-end developer, Back-end developer	
Andy Chih	u7574003@anu.edu.au	on-campus	Full-stack developer	

Document Overhaul Work Package



Designed to address feedback from key stakeholders after Audit 1 and 2.

- Migrating / rewriting all documentation artifacts

Overhauled Landing Page

Additional sections were added to landing page

- Address questions from stakeholders
- Markdown style is more flexible than MS SharePoint.

Project Output

Project management is only conducted through GitHub

[Milestones \(GitHub\)](#)

[Status Board \(GitHub\)](#)

[RoadMap \(GitHub\)](#)

[User Story Map \(Excel\)](#)

[Risks Assessment](#)

[Decentralized Hosting](#)

Meeting Minutes

Decision log and reflection log is integrated into meeting minutes

[Team Meeting Minutes](#)

[Client Meeting Minutes](#)

[Tutorial Meeting Minutes](#)

Administrative

Contracts, roles, and responsibilities.

[Statement of Work](#)

[Team Charter](#)

Presentaiton

The poster and link to the promotional video.

[Audit 1 Slides](#)

[Audit 2 Slides](#)

[Audit 3 Slides](#)

[2024-S1 Poster](#)

[2024-S1 Video](#)

Changes to Meeting Minutes – Client / Tutor/ Team

Agenda

1. Brief update on each individual progress - All Members
2. Update and important information from tutor meeting - Mitchell
3. Discussing elevator pitch for the platform (for a user / market) - Mitchell
4. More on WP3 research task (specifications and acceptance criteria) - Mitchell
5. Video assignment client acceptance criteria (the do's and don'ts in video) - Mitchell
6. Finishing thoughts and questions - All Members

Synopsis

- Progress Update:
 - Logo on the platform has been changed from Meikei to contour advisory
 - Function for accessing the requests from one institution is finished
 - There are hints that WP2 may need to be extended due bugs, not confirmed yet
- Quin recommends referring to previous semester's video for guidance, otherwise no other conditions
- WP3 and WP2 will be worked on concurrently when the documentation overhaul is finished
- During tutorial meetings, everyone will need to showcase what they have done to assert they are working on features that can run

Feedback

Send revised elevator pitch to Elena	Mitchell	26/04/2024
Submit WPP draft for Elena to review	All Members	26/04/2024
Send Elena video draft before week 9 submission	Mitchell	01/05/2024
Tell Quin to give Elena, Liang, and Shadow team access to our GitHub Project	Mitchell	19/04/2024

General Notes

- Elena says that every meeting with any group of people, so long as its public, should be documented
- When the examiner is marking the video, they will go through each of [these](#) points and mark on whether the video is conveying those points
- make sure spreadsheet for landing page is updated, managed by convener, that is what they must open during audit week to mark
- If we intend on working over the winter break (after a semester 1), we can use our work in audit 1, unless we are employed by the client company for money. should be discussed with the convener, elena can vouch for us as well
- in the elevator pitch, should ask an individual question to capture someone's interest, so they listen to our elevator pitch
- Must rewrite your selection criteria from scratch, turn-it in will detect it, CV can be referenced,
- Elena says we should reference our mistakes, challenges, and things that have gone wrong in our selection criteria. These can describe how we tackle problems and how we corrected it which can be more informative to an employer. give a story rather than a qualification
- Put updates on peoples work in their git issues, such as show to client, LGTM (Looks good to me) comments in issues.

Added Risk Log

Risk Log

This is a developing list of major risks which have been identified over the course of this semester as they relate to our projects success.

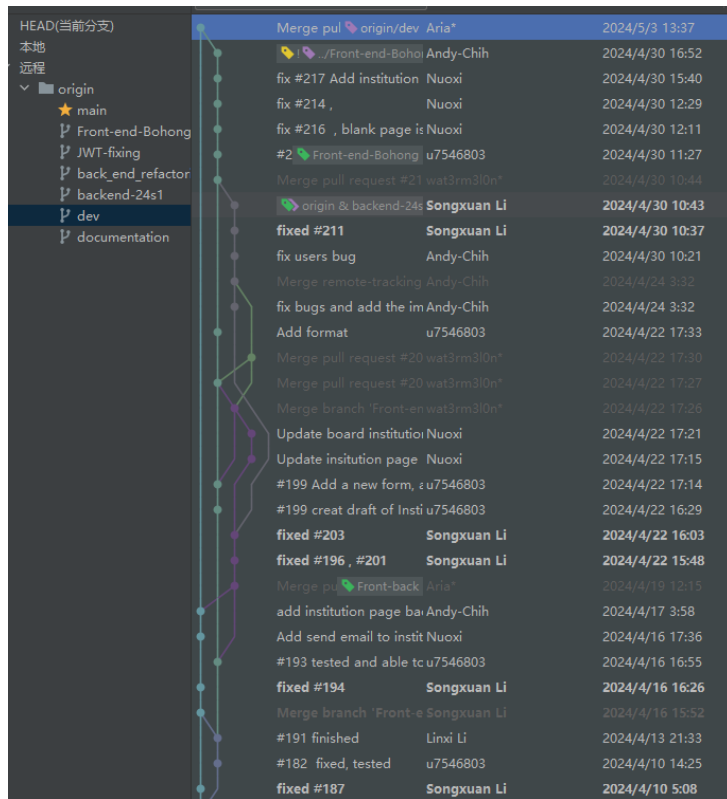
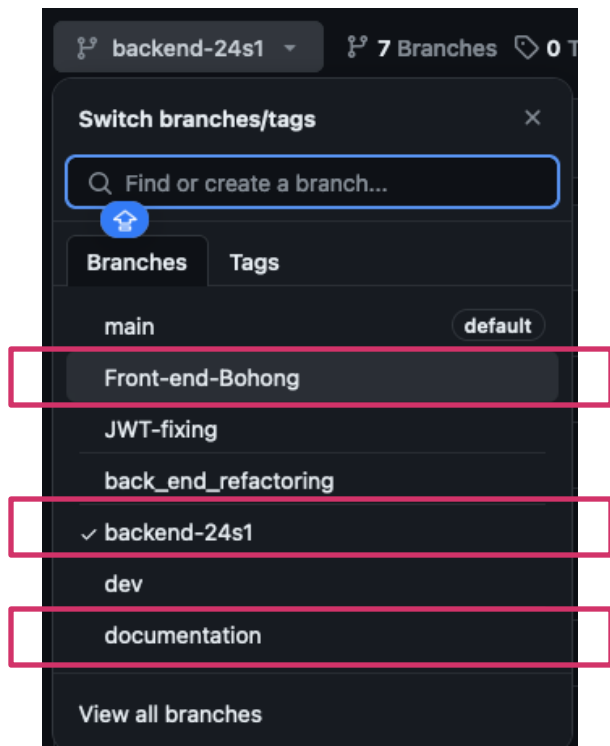
Risk Outline	Mitigation Strategy	Responsible Party
Web 3.0 is a payed service that may be dependent for running the platform locally, has fees attached is user goes over data limits	Ask client for company Web 3.0 account for testing purposes, review code unintentional repetition of requests	All Members
No CI/CD pipelines installed or built on project repo, may lead to issues testing work / proving features are functional to stakeholders	ask each stakeholder for preference of demonstrating project outputs, possibly implement basic CI in the form of test cases	Mitchell
Stakeholders have limited / no access to teams project outputs (GitHub) or project management tools (MS Teams / GitHub)	Send email to every stakeholder ensuring access to key resources prior to audit weeks	Mitchell, Nuoxi
Weekly documentation is not being done correctly / on time	to ensure consistent quality of documentation, all artifacts are now being done by one person, who is solely responsible for all artifacts	Mitchell

Outlining some risks identified in our project.

- Financial risks
- Process management risks
- Deliverable risks

Project Management

GitHub Branches



Workflow

Meeting Decisions -> Action Items -> GitHub Issues -> Code Development

Agenda

1. Brief update on each individual progress - All Members
2. Update and important information from tutor meeting - Mitchell
3. Discussing elevator pitch for the platform (for a user / market) - Mitchell
4. More on WP3 research task (specifications and acceptance criteria) - Mitchell
5. Video assignment client acceptance criteria (the do's and don'ts in video) - Mitchell
6. Finishing thoughts and questions - All Members

Synopsis

- Progress Update:
 - Logo on the platform has been changed from Meikei to contour advisory
 - Function for accessing the requests from one institution is finished
 - There are hints that WP2 may need to be extended due bugs, not confirmed yet
- Quin recommends referring to previous semester's video for guidance, otherwise no other conditions
- WP3 and WP2 will be worked on concurrently when the documentation overhaul is finished
- During tutorial meetings, everyone will need to showcase what they have done to assert they are working on features that can run

Feedback

- Quin is happy with the progress of WP2, with WP3 starting next week as well we should be able to finish all work packages on time.

Decisions

- Video can be submitted on the same day, Quin is not too concerned with checking video before submitting

Action Items

Action Item	Responsible Party	Due Date
Create an account for email.js and send it to us for implementation	Quin	24/04/2024
Send elevator pitch to Quin	Mitchell	22/04/2024
Request field edit in institution request admin page	Linxi	24/04/2024
Build initial frontend of institution 'admin' page	Andy, Bohong	24/04/2024
Enable backend to return request information classified by institution	Songxuan	24/04/2024
Configure email information of backend	Nuoxi	24/04/2024

GitHub Issues

- ✓ Add "Institution admin board component" in header
Institution Verification Process Uplift
#217 by arianqx was closed 2 days ago
- ✓ bug "blank page"
Institution Verification Process Uplift
#216 by arianqx was closed 2 days ago
- ✓ Fix bug "cannot link the institution admin board to modal2 page"
Institution Verification Process Uplift
#215 by arianqx was closed last week
- ✓ Fix bug cannot show the institution admin page
Institution Verification Process Uplift
#214 by arianqx was closed 2 days ago
- ✓ Making showcase video
202451
#213 by arianqx was closed 2 days ago
- ✓ Fix bug: Institution account can not login
Institution Verification Process Uplift
#211 by arianqx was closed 2 days ago
- ✓ Complete the institution service/controllers and so on in backend
Institution Verification Process Uplift
#210 by arianqx was closed last week
- ✓ Complete the back-end implementation for edit metadata function
Institution Verification Process Uplift
#209 by arianqx was closed last week

Commits on Apr 30, 2024

Institution dashboard update~
Andy-Chih committed last week 7452c79

#207 Added recommended video clip descriptions for each section of narration
u7284995 committed last week 88f4180

fix #217 Add institution board component in header
arianqx committed last week 839a79d

#207 Created initial storyboard for video
u7284995 committed last week 46b0ccf

fix #214,
arianqx committed last week 782b182

fix #216 , blank page issue
arianqx committed last week a0004fc

#215 #214 add model2, navigation and profile to show the specific page for institution user.
wat3r-m3lon committed last week 6be72dd

Merge pull request #212 from perspicacious-slinky/backend-24s1
Verified
wat3r-m3lon committed last week 4024451

fixed #209
lcongguan committed last week 4cb06c9

fixed #211
lcongguan committed last week db7ad55

fix users bug
Andy-Chih committed last week 8441bc8

Task Tracking

Update system architecture document (202451)	
#226 opened 2 days ago by arianxq	Immutable MVP...
Web hosting report (Web Hosting Implementation)	
#223 opened last week by arianxq	Decentralized Ho...
Research bringing project online to web server (Web Hosting Implementation)	
#222 opened last week by arianxq	Decentralized Ho...
Prepare PowerPoint and scripts for audit3 (202451)	
#221 opened last week by arianxq	Project Audit 3
On the frontend calling the classify requests by institution function written in the backend (Institution Verification Process Uplift)	
#220 opened last week by arianxq	Institution Verif...
Add view and edit button on "Manage request modal 2" in institution dashboard page (Institution Verification Process Uplift)	
#219 opened last week by arianxq	Institution Verif...
Edit video, poster for showcase (202451)	
#218 by arianxq was closed 2 days ago	Showcase Pack...
Add "institution admin board component" in header (Institution Verification Process Uplift)	
#217 by arianxq was closed 2 days ago	Institution Verif...
bug "blank page" (Institution Verification Process Uplift)	
#216 by arianxq was closed 2 days ago	Institution Verif...
Fix bug "cannot link the institution admin board to modal2 page" (Institution Verification Process Uplift)	
#215 by arianxq was closed last week	Institution Verif...
Fix bug cannot show the institution admin page (Institution Verification Process Uplift)	
#214 by arianxq was closed 2 days ago	Institution Verif...
Making showcase video (202451)	
#213 by arianxq was closed 2 days ago	Institution Verif...

GitHub Issues

->

Filter by keyword or by field				Discard
Title	...	Assignees	...	Status
51 Edit response message in backend for r...	#183	Isongxuan	-	Done
52 Null variables issue in OrderRequest	#184	Isongxuan	-	Done
53 Add a new user role type for institution	#185	arianxq	-	Done
54 Migrate and Update Client Meeting ML...	#173	barkerm20	-	Done
55 Configure email information of backend	#202	arianxq	-	Done
56 Migrate and Update Team Meeting Min...	#197	barkerm20	-	In Progress
57 Enable backend to return request infor...	#201	Isongxuan	-	Done
58 Click "manage request" button in insti...	#200	leini	-	In Progress
59 Institution account login, then can click ...	#199	wa3r-m3lon	-	Done
60 fix the bug "com.mysql.cj.jdbc.exceptio...	#203	Isongxuan	-	Done
61 Fix the bug in institution service backen...	#204	Andy-Chih	-	Done
62 Storyboard Video	#207	barkerm20	-	Done
63 Draft Poster	#208	Andy-Chih and bar...	-	Done
64 Complete the back-end implementatio...	#209	arianxq and Isongx...	-	Done
65 Complete the institution service/control...	#210	Andy-Chih	-	Done
66 Fix bug: Institution account can not login	#211	Isongxuan	-	Done
67 Making showcase video	#213	Andy-Chih, arianxq...	-	Done
68 Fix bug cannot show the institution ad...	#214	wa3r-m3lon	-	Done
69 Fix bug "cannot link the institution adm...	#215	Andy-Chih	-	Done
70 bug "blank page"	#216	arianxq	-	Done
71 Add "institution admin board compone...	#217	arianxq	-	Done
72 Edit video, poster for showcase	#218	Andy-Chih	-	Done
73 Add view and edit button on "Manage r...	#219	leini	-	In Progress
74 On the frontend calling the classify req...	#220	Andy-Chih	-	In Progress
75 Prepare PowerPoint and scripts for audit3	#221	Andy-Chih, arianxq...	-	Todo
76 Research bringing project online to we...	#222	arianxq, Isongxuan...	-	Todo
77 Web hosting report	#223	barkerm20	-	In Progress
78 Documentation Overhaul	#224	barkerm20	-	Done
79 Update system architecture document	#226	arianxq and Isongx...	-	In Progress

GitHub Task List

GitHub Status Board & Roadmap

The screenshot displays a GitHub Status Board with three columns: **Todo**, **In Progress**, and **Done**. Each column contains a list of tasks, each with a status icon (green circle for 'To Do', blue circle for 'In Progress', and grey circle for 'Done') and a user avatar.

- Todo (3 items):**
 - Prepare PowerPoint and scripts for audit3
 - Research bringing project online to web server
- In Progress (7 items):**
 - Build front end of Institution request page
 - Migrate and Update Team Meeting Minutes
 - Click "manage request" button in institution dashboard to jump into modal2 page
 - Add view and edit button on "Manage request modal 2" in institution dashboard page
 - On the frontend calling the classify requests by institution function written in the backend
 - Web hosting report
 - Update system architecture document
- Done (10 items):**
 - A. Initiate the Project Repo/Onboarding - 24s1
 - B. National Microcredential Framework Compliance
 - B.1.1 Comprehension of the National Microcredential Framework
 - B.2.1 Update Frontend with Required Metadata for NFT Request Page
 - B.2.1.1 Update frontend form with unique input elements
 - B.2.2 Update Backend to Support Metadata Requirements for NFT Request Page
 - B.2.1.1 Implement Frontend Element: Title
 - B.2.1.2 Implement Frontend Element: Provider
 - B.2.1.3 Implement Frontend Element: Date of Delivery
 - B.2.1.4 Implement Frontend Element: Content / Description
 - B.2.1.5 Implement Frontend Element: Language
 - B.2.1.6 Implement Frontend Element: Learning Outcomes

The screenshot displays a GitHub Roadmap with a timeline view for April 2024. The roadmap shows a sequence of tasks, each with a status icon and a user avatar. The tasks are organized into a grid with columns representing days of the month.

- Tasks:**
 - Migrate and Update Tutorial Meeting Minutes #172
 - Create New Landing Page (Markdown in GitHub Repo) #174
 - Automatic Duplication of Uploaded Image in Separate Form Fields #179
 - NFT request form Two images not transferring to backend #181
 - The Request List needs to display the appropriate fields #182
 - The admin board need displays the returned data #185
 - Change the company logo in front
 - Build front end of Institution request
 - Build initial front end of Institution
 - Create function for getting all the c
 - Create function for getting all pen
 - Make sure existing modules of cod
 - TypeError when converting object with circular structure to JSON #175
 - B.2.2.1 Implement Backend Support for Extended Order Attributes: Critical Metadata #176
 - B.2.2.2 Implement Backend Support for Extended Order Attributes: Recommended Metadata #177
 - Edit response message in backend for request list page #183
 - Null variables issue in OrderRequest #184



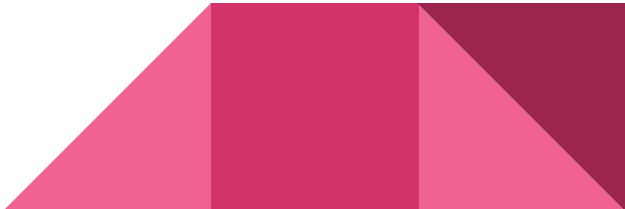
Going Forward (Next Semester)

Decentralized Hosting Research & Implementation

Research Continuation:

- Further investigate the top 4 decentralized hosting options from WP3.
- Analyze performance, scalability, and cost-effectiveness.

Implementation Plan:

- Client selects a hosting platform.
 - Conduct performance tests, unit tests, traffic load tests.
 - Launch secure, decentralized hosting platform.
- 

New Member Onboarding for next semester

Install Sessions:

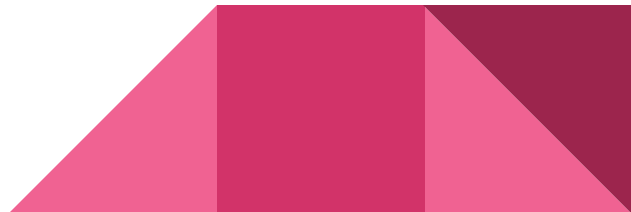
- Ensure all new members can run the platform on their machines.

Mentorship and Peer Review:

- Existing members mentor new members.
- Consistent code quality via peer review.

Commit Policy Training:

- Git commit policy with issue numbers.

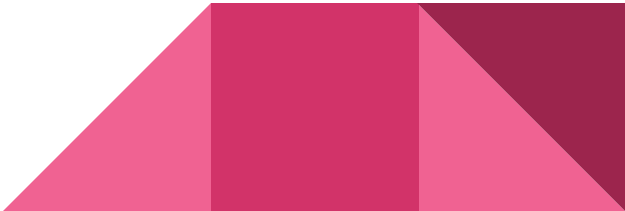


Workflow Handover

Project Management Workflow:

- Meeting decisions
- Action items
- GitHub issues
- Code development

Task Tracking and Roadmap:

- GitHub task list
 - Roadmap system
- 

Measuring Success in the Next Semester

- Performance and load testing of decentralized hosting
- Maintain high code quality through peer reviews and automated testing
- Track project progress via GitHub issues and status board
- Obtain client feedback on decentralized hosting implementation



The background is a solid pink color. In the top right corner, there is a decorative pattern of overlapping geometric shapes, including triangles and squares, in various shades of pink and magenta.

Thanks For Listening!

Questions & Answers

