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Project: AI + Human Exploration of Daily Moral Decisions

MORAL DECISIONS Sprint 1

24-S1-2-C-Moral-Decisions (github.com)

Introduction

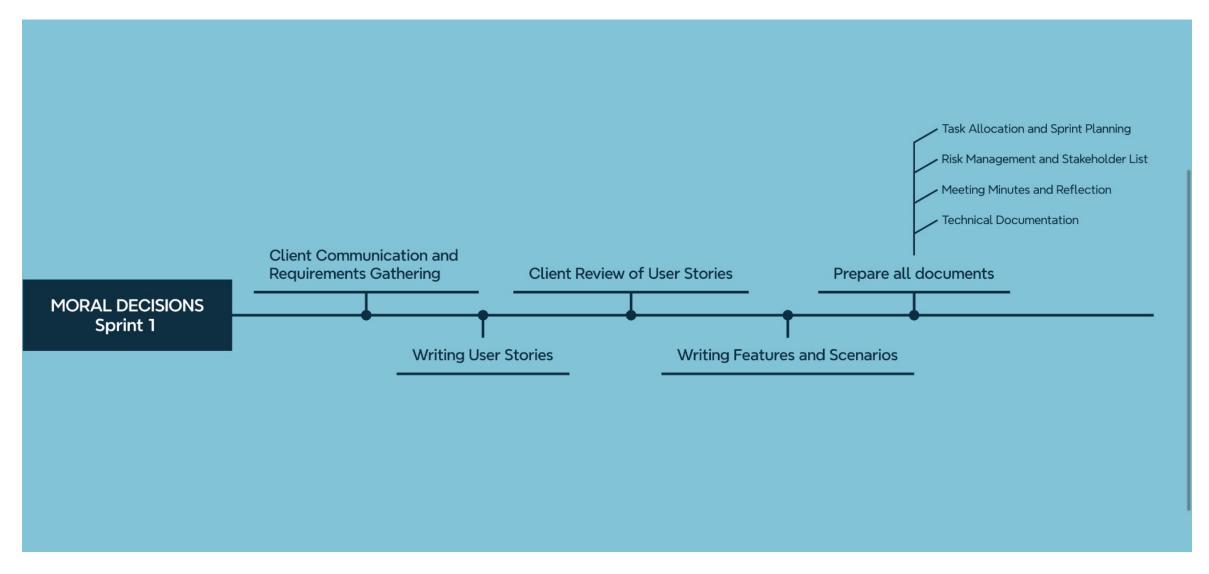
Goal

- Providing Opportunities to Understand Human Behavior in Everyday Ethical
- Planning and Organization for future tasks
- Explore how users' perceptions may change as a result of learning about others' choices.
- Improving AI understanding of real-world moral dilemmas

Task

- Engage users in surveys through the Moral Profile website, present research findings
- Analyze requirements via user stories and stakeholder engagements
- Promote a deeper understanding of ethical planning.
- Large-scale Survey website collects diverse data
- Reflection and Risk Analysis

SPRINT 1 OVERVIEW



SoW: https://github.com/24-S1-2-C-Moral-Decisions/LandingSite/blob/main/StatementOfWork/2025S1/SoW.pdf

Process:

1. Client Communication and Requirements Gathering

Initial meetings and document exchanges were conducted to understand the client's expectations and requirements for the Moral Decisions system. These were documented in the initial *Statement of Work (SOW)*.

2. Writing User Stories

Based on the gathered requirements, the team created multiple user stories to describe the system functionality from an end-user perspective.

3. Client Review of User Stories

The drafted user stories were shared with the client for review. Feedback was incorporated and priorities were adjusted accordingly.

4. Writing Features and Scenarios

Using Behavior-Driven Development (BDD) methodology, the team wrote detailed *Features* and *Scenarios* based on user stories to clearly define expected system behavior.

5. Task Allocation and Sprint Planning

During the Sprint Planning phase, the team broke down features into manageable tasks and defined clear sprint goals.

6. Technical Documentation

The *Technical Doc* was prepared to outline the chosen tech stack, frameworks, and tools, ensuring clarity and maintainability for future development.

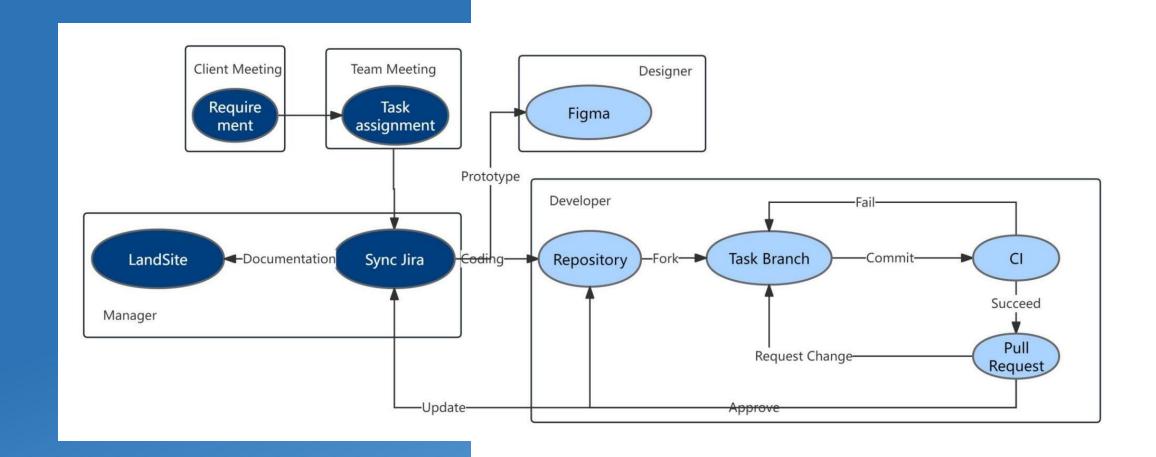
7. Meeting Minutes and Reflection

All team meetings were documented in the *Meeting Minus* section. After each phase, a *Reflection* was written to evaluate progress and identify areas for improvement.

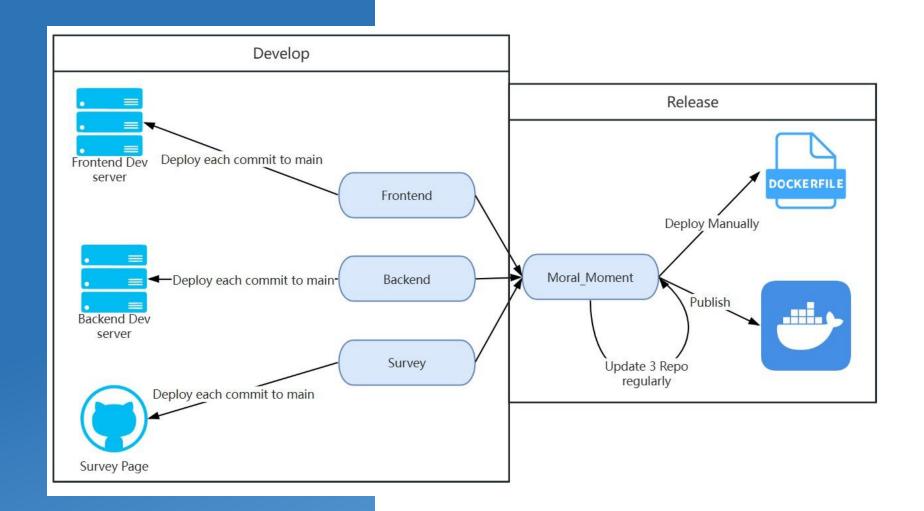
8. Risk Management and Stakeholder List

A *Risk Register* was maintained to track potential risks. The *Stakeholder List* helped clarify roles, responsibilities, and expectations of all involved parties.

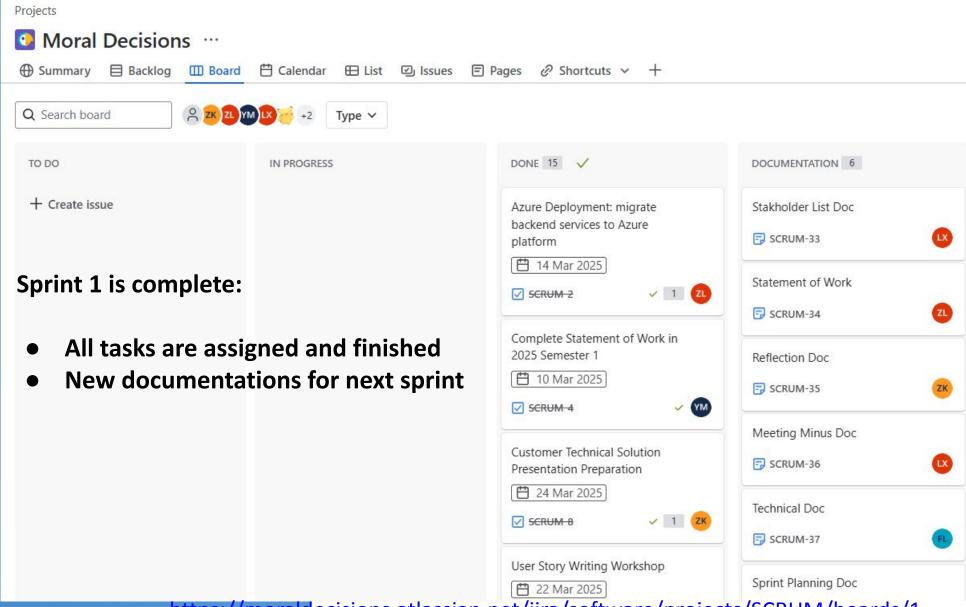
Teamwork



Teamwork

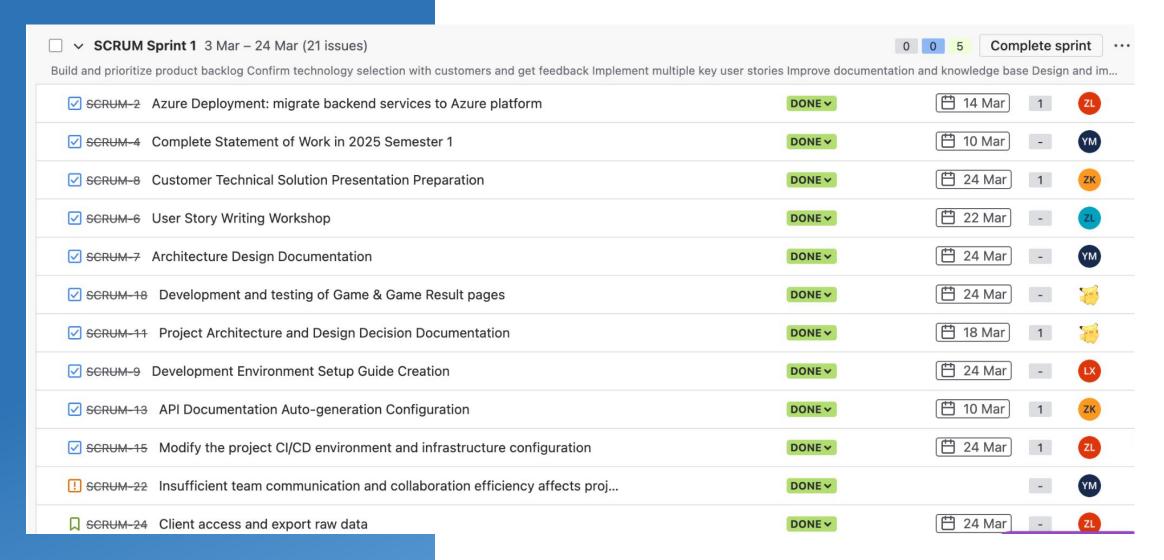


Teamwork - Sprint1



https://moraldecisions.atlassian.net/jira/software/projects/SCRUM/boards/1

Teamwork - Backlog



https://moraldecisions.atlassian.net/jira/software/projects/SCRUM/boards/1/backlog

User Story

Client marks each user story!

importance from 1-5(5 is most imprtant)

As a	I want to	So that	Importance(0 -5)	
user	see the "Am I The Asshole?" section on mobile	I can participate in the ethical dilemma test and compare my moral judgment with others	4	scrum45
user	be able to save my progress while completing the survey	I can resume from where I left off without having to start over	4	scrum40
user	receive immediate feedback and see statistical results after submitting the survey	understand how my choices compare with those of other users	4	scrum41
user	share my survey results or interesting insights on social media	I can engage with my community and spark discussions about moral decisions	4	scrum42
mobile user with various devices	see a consistent layout across different phone models	the UI is readable and functional on all screens	5	scrum45
Client	control Nectar Research Cloud costs and avoid resource waste.	I can run it at a low cost.	5	scrum23
Client	add introduction of the research goal section	I can let the users understand the purpose of the website	4	scrum44
Client	access and export the raw survey data	I can perform in-depth analysis and academic research	5	scrum24
Client	Make a survey demo website visible to the public		5	scrum25
Client	Include control version of the survey into the survey website apart from previous treatment group.		5	scrum26
Client	Make UI consistent and user friendly in both mobile and laptop version		5	scrum45

Α	В	С	D
As a	I want to	So that	Importance(0-5)
ser	see autocomplete suggestions when typing keywords in the search box	I can find relevant moral dilemma posts faster	
ser	select different topics, the page will not refresh as a whole, but switch smoothly	I can browse discussions in a specific category more efficiently	
ser	see the latest and most popular ethical dilemmas	I can focus on the most worthy content	
		I can know the duration of the test, the types of guestions, and how the results	
ser	see detailed instructions for taking the "Am I The Asshole?" test	are evaluated	
501	enter content in the search box, and then click on other areas of the page, the input	I can continue to enter or modify the search keywords at any time without having	
ser	content will not be cleared	to re-enter them	
sei	content will not be cleared	I can participate in the ethical dilemma test and compare my moral judgment with	
ser	see the "Am I The Asshole?" section on mobile	others	
ser	see consistent button designs	I can easily recognize and interact with navigation elements	
ser	the text in the "Similar Posts" section to be properly aligned	I can easily read the content without misalignment issues I can understand the content	
ser	browse the webpage in my familar language see an introduction to the project, its purpose, and a summary of the main features on the	i can understand the content	
cor	landing page	I can guickly understand the project's background and the value it offers me	
ser ser	clearly see the search input field and category selection	I can efficiently search for relevant posts	
ser	see the category selector (e.g., "All") properly aligned within the search bar	I can easily select and filter my searches without UI distortion	
ser	be able to create an account through a simple registration process	I can participate in surveys and view my personal results	
ser	be able to click on a share button when the game ends	share my game result quickly with others	
ser	log in to the system using my account	my survey data and history are saved for future reference	
ser	be able to save my progress while completing the survey	I can resume from where I left off without having to start over	
ser	receive immediate feedback and see statistical results after submitting the survey	understand how my choices compare with those of other users	
ser	select my preferred language on the site	I can view content in a language I understand best	
	receive notifications (via email or in-app) when new surveys are available or when my survey		
ser	results are updated	I stay informed about new opportunities to participate and view insights	
ser	receive gentle reminders if I have left a survey incomplete	I can return and finish it without missing out on contributing my opinion	
ser	share my survey results or interesting insights on social media	I can engage with my community and spark discussions about moral decisions	
ser	the website to comply with accessibility standards (e.g., WCAG)	I can navigate and use the site easily regardless of any disabilities	
ser	assurance that my survey responses and personal data are kept confidential and secure	I feel safe sharing my opinions	
	the site to provide real-time translations of user discussions into any language, even those I		
	create on the spot.	I can understand and participate in discussions in any linguistic format I choose.	
ser			
ser	view and update my profile information (such as my email, password, and preferences)	my account information remains current and secure	
ser	access a history of my survey responses and view trends over time	I can reflect on how my moral perspectives evolve	
ser	display content based on my mood, detected through the camera	site always matches the tone and topics to my current emotional state	
ser	the option to sort search results by popularity or by post date	I can view the most relevant or the most recent content according to my preference	
ser	participate in discussion forums or comment sections associated with survey results	I can share my insights and engage in conversations with other users about moral decisions	
ser	be able to submit feedback or report issues directly through the website,	I can help improve the platform and have my concerns addressed promptly	
		,	
	Importance(0 -5)	the UI is readable and functional on all screens	
	-5)	can search for topics efficiently	

Base on client mark, we get the most important 9 user stories

https://github.com/24-S1-2-C-Moral-Decisions/LandingSite/blob/main/UserStory/User%20story.xlsx

Feature List

Based on our 9 most important user stories, we extracted the corresponding features and we've described them in a structured way using a detailed table

https://github.com/24-S1-2-C-Moral-Decisions/LandingSite/blob/main/UserStory/FeatureList.md

Function	User Story	Ex	pected Behavior	Input		Output	Edge Case				
save my progress while completing the survey	As a user, I want to be able to save my progress while completing the survey, so that I can resume from where I left off without having to start over.	com the resp accu smo	en the user mpts to save my gress while pleting the survey, system should ond quickly and urately to ensure a oth user erience.	User actions on the interface, such as clicking, entering keywords, selecting options, etc.	as up sh et pr	ystem feedback such is displaying content, pdating the page, nowing notifications, ic., related to save my rogress while completing the survey unction.	If the user input is invalid, the operation is interrupted, or th is a network issue the system should gracefully inform the user and avoic crashes or data lo	ere , I			
receive immediate feedback and see statistical results after submitting the survey	As a user, I want to receive immediate feedback and see statistical results after submitting the survey, so that I can understand how my choices compare with those of other users.	atterimm and resu the s shou and ensu	en the user mpts to receive hediate feedback see statistical lts after submitting survey, the system ald respond quickly accurately to ure a smooth user erience.	User actions on the interface, such as clicking, entering keywords, selecting options, etc.	as up sh et im ar re	ystem feedback such is displaying content, pdating the page, nowing notifications, i.c., related to receive inmediate feedback and see statistical esults after submitting the survey function.	If the user input is invalid, the operation is interrupted, or th is a network issue the system should gracefully inform the user and avoic crashes or data lo	ere I			
share my survey results or interesting insights on social media	As a user, I want to share my survey results or interesting insights on social media, so that I can engage with my community and spark discussions about	Who atte sun inte soci syst quic to e	costs and avoid resource waste	As a project clier want to control Nectar Research Cloud costs and resource waste, s that I can run it a low cost.	avoid o	When the user attempts to control Nectar Research Cloud costs and avoid resource waste, the system should respond quickly and accurately to ensure a smooth user experience.	as clicking,	as d upd show etc., Nec cost resc	tem feedback such lisplaying content, lating the page, wing notifications, related to control star Research Cloud ts and avoid burce waste ction.	If the user input is invalid, the operation is interrupted, or there is a network issue, the system should gracefully inform the user and avoid crashes or data loss	
see a consistent layout across different phone models	moral decisions. As a mobile user with various devices, I want to see a consistent layout across different phone models, so that the UI is readable	Who atte con acro more sho and	add introduction of the research goal section	As a project clier want to add introduction of the research goal sees so that I can let the users understand purpose of the website.	ne tion, he	When the user attempts to add introduction of the research goal section, the system should respond quickly and accurately to ensure a smooth user experience.	User actions on the interface, such as clicking, entering keywords, selecting options, etc.	as d upd show etc., intro	tem feedback such displaying content, lating the page, wing notifications, related to add oduction of the earch goal section ction.	If the user input is invalid, the operation is interrupted, or then is a network issue, the system should gracefully inform the user and avoid crashes or data loss	
	and functional on all	ens	access and export the raw survey data	As a client, I wan access and expor raw survey data, that I can perforn depth analysis ar academic researce	t the so n in- id	When the user attempts to access and export the raw survey data, the system should respond quickly and accurately to ensure a smooth user experience.	interface, such as clicking,	as d upd show etc.,	tem feedback such displaying content, lating the page, wing notifications, , related to access export the raw yey data function.	If the user input is invalid, the operation is interrupted, or then is a network issue, the system should gracefully inform the user and avoid crashes or data loss	
			make a survey	As a client, I wan make a survey de		When the user attempts to make a survey demo website visible to the public,	User actions on the interface, such	as d	tem feedback such displaying content, lating the page,	If the user input is invalid, the operation is interrupted, or there	e
			As a client, I w			n the user npts to include	User action	าร	System fee		If t

include control version of the survey into the website As a client, I want to include control version of the survey into the survey website apart from previous treatment group, so that I can compare results across groups.

When the user attempts to include control version of the survey into the website, the system should respond quickly and accurately to ensure a smooth user experience.

User actions on the interface, such as clicking, entering keywords, selecting options, etc. System feedback such as displaying content, updating the page, showing notifications, etc., related to include control version of the survey into the website function. If the user input is invalid, the operation is interrupted, or there is a network issue, the system should gracefully inform the user and avoid crashes or data loss.

Scenario

We give scenarios from multiple perspectives (stakeholders)

- Developer
- Client
- Researcher
- User

Developer Perspective

Zhang, the lead full-stack developer of the project, receives repeated feedback from users about broken layouts on mobile devices. After thorough testing across various screen sizes, he identifies compatibility issues with older Android browsers. He quickly reworks the responsive layout using Bootstrap 5 to ensure consistent UI across all devices. At the same time, he notices that the Nectar Cloud bill is skyrocketing. By analyzing storage and bandwidth logs, he discovers that static survey data wasn't being cached. He implements CDN caching and sets appropriate expiration headers, cutting costs by nearly 40%. As the tech steward of the platform, Zhang focuses on delivering smooth user experience, cross-device stability, and long-term operational efficiency — all supported by these core features.

Client Perspective

Mr. Li, the project sponsor and business lead at a psychology institute, wants the site to attract not only general users but also research partners. After reviewing early usage reports, he proposes adding a "Research Purpose Introduction" to the landing page to explain the intent and values behind the test. He also requests a feature to support A/B testing by creating separate versions of the survey for control and treatment groups. To promote the platform externally, he asks the development team to publish a public demo site for easy sharing. During a partnership discussion with university collaborators, he easily exports anonymized raw survey data, gaining recognition for the site's research readiness. For Mr. Li, these features help bridge research integrity, business scalability, and public credibility.

General User Perspective

Linda, a college student, clicks on a "Social Intelligence Quiz" her roommate shared. She uses her phone to access the site, which loads smoothly and adapts perfectly to her screen. As she progresses through the questions, she gets interrupted by a phone call. Thankfully, when she returns later, her progress is saved automatically — no need to start over. Upon completing the test, she sees a visual report with clear and relatable insights. The system also shows statistics comparing her answers to those of other users. Impressed and amused, she shares the results to her WeChat Moments, sparking conversations with friends. For Linda, the seamless experience, shareable insights, and mobile compatibility make the site feel modern and fun.

Research User Perspective

Dr. Chen, a university psychology professor, is planning a study on anxiety and social withdrawal. He finds the platform's ability to include a "research goals" section helpful in meeting ethics review standards. More importantly, the system supports creating distinct control and treatment groups through separate survey versions, which aligns perfectly with his experimental design. After data collection, he downloads a well-structured, anonymized dataset for analysis. The file format is standardized, saving him hours of data cleaning. With proper user consent and platform support, he considers using the site for his next peer-reviewed publication. For Dr. Chen, the platform isn't just a tool — it's a full-featured research assistant.

Attractive User Perspective

Jie, a young content creator, discovers a link to the "Emotional Energy Quiz" while browsing TikTok. The landing page is vibrant and welcoming, promising "Discover your emotional power in 5 minutes." He tries the demo version without needing to sign up. The test flows smoothly with engaging animations. Upon completion, the site generates a personalized results card and even suggests a social media caption. He shares it to his Instagram story, where it receives immediate reactions from followers. Although he doesn't register or purchase anything, the experience leaves a strong impression. For users like Jie, features that are playful, shareable, and free to try are what draw them in — and keep them coming back.

Next sprint(Sprint 2)

SCRUM Sprint 2 24 Mar – 14 Apr (11 issues)		0 1 0 Sta	rt sprint ···
SCRUM-40 Save Survey Progress	0 DO V	(04 Apr	YM
SCRUM-17 Page interaction logic design and implementation	N PROGRESS V	28 Mar	LX
SCRUM-41 Immediate Feedback and Statistical Results	TO DO V	(04 Apr	- ZK
SCRUM-44 Survey Purpose Introduction	TO DO V	(08 Apr	- ZK
SCRUM-14 Design and implement the page layout and functions of the Survey Page	N PROGRESS V	28 Mar	
SCRUM-45 UI Consistency on Mobile and Laptop	TO DO V	(04 Apr	ZL
SCRUM-26 Include control version of the survey into the survey website apart from pr	N PROGRESS V	24 Mar	- FL
SCRUM-28 Try their survey demo to see the experiment flow	N PROGRESS V	24 Mar	YM
SCRUM-25 Client make a survey to public	N PROGRESS V	(02 Apr	ZL
SCRUM-23 Control Nectar Research Cloud	N PROGRESS >	21 Apr	ZL
SCRUM-42 Social Sharing of Survey Results	TO DO V		3

Risk Management

Strategy:

Prioritize early detection and strategic mitigation

Benefits:

- Minimizes risk likelihood and impact
- Maintains project timelines and budgets

Need to improve

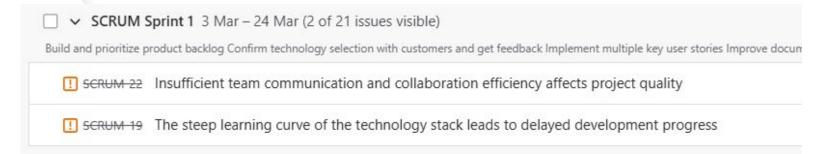
Some risks were not updated in time.

(Many risks in the risk log but some of them still haven't been completed).

Some risks might not have been addressed.

(We did not track progress on these action items, making it difficult to ensure they would be addressed.)

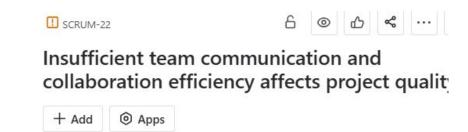
Improve Risk Management



Key decisions from the meeting:

Link risk management with a decision log: identify which features are associated with each risk.

Ensure all risks are handled.



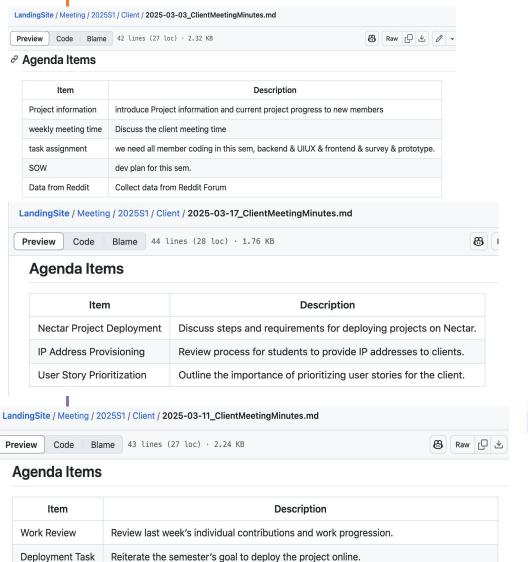
Description

- Information asymmetry between team members leads to duplication of world or conflicts
- · Compatibility issues during code integration
- · Inconsistent development standards affect maintenance difficulty

Coping strategies:

- Establish clear communication channels and regular meeting mechanisms
- · Use tools such as Jira for task allocation and progress visualization
- Create development specification documents, unify coding standards and naming conventions

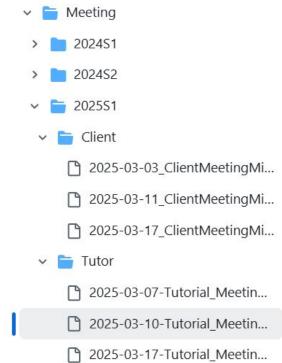
Stakeholder Engagement with the Client



Discuss unifying the frontend style and address display issues on different device sizes.

Clarify everyone's role in the team

Frontend Styling
Role Assignment



Active Communication channels

- Weekly Meetings
 - Conduct progress checks, address issues, and gather feedback
- Teams Channel
 - Organize meetings and ensure timely communication

Status overview

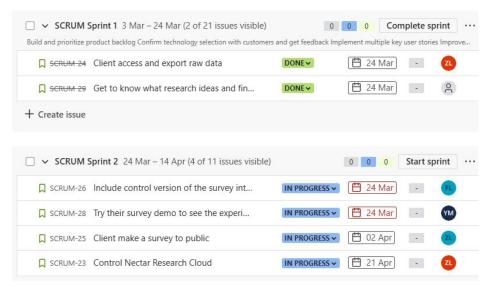
Get a snapshot of the status of your issues. View all issues



Jira Overview:

https://moraldecisions.atlassian.net/jira/software/projects/SCRUM/summary

Stakeholder Engagement



User stories from user, client, and researcher

https://moraldecisions.atlassian.net/jira/software/projects/S CRUM/boards/1/backlog?issueType=10003

Actively engaging and Implementing Feedback

Client Task Management: Added Jira ticket column in meeting minutes for improved task tracking.

 Jira Management: Added acceptance criteria for clearer tasks and better tracking.

Examiner

- Planning and Improvement: Committed to documenting our plannings more thoroughly
- Adjust requirements according to the feedback from user stories

Reflection



What went well?

- Azure backend deployed & migrated improved scalability & stability
- Technical documentation completed (architecture, API auto-gen, dev guides)
- Frontend environment + game page built & tested
- Customer data export function delivered
- User stories written based on client input

Nhat will we do differently?

- Daily standups + async tools for better team sync
- Create internal knowledge base & run sharing sessions
- Involve client early to confirm requirements
- Improve task estimation + break down complex subtasks

What could be improved?

- Communication inefficiencies → delays
- Steep learning curve (Azure, versioning, frontend integration)
- Questionnaire module more complex than expected
- Page interaction logic took longer due to unclear UX requirements

- Deliver version-controlled questionnaire platform
- Conduct UX research & prototype testing
- Support tech upskilling for some members
- Re-prioritize tasks for timely delivery

Resources

All documents:

Tutor required:

Item	Link
Statement of Work (SOW)	https://github.com/24-S1-2-C-Moral- Decisions/LandingSite/blob/main/StatementOfWork/2025S1/SoW.pdf
Risk Register	RiskLog • 24-S1-2-C-Moral-Decisions
Stakeholder List	♠ LandingSite/StakeholderList/stakeholderList.m d at main · 24-S1-2-C-Moral-Decisions/LandingS ite
Reflection	https://github.com/24-S1-2-C-Moral- Decisions/LandingSite/tree/main/Reflection/2025 S1
Sprint Planning	 C LandingSite/PlanningAndOrganization/2025S1 at main ⋅ 24-S1-2-C-Moral-Decisions/LandingSit e
Technical Doc	C-Moral-Decisions/LandingSite

Other documents:

Item	Link
User Story	♠ LandingSite/UserStory/User story.xlsx at main
	· 24-S1-2-C-Moral-Decisions/LandingSite
Feature List	• LandingSite/UserStory/FeatureList.md at main
	· 24-S1-2-C-Moral-Decisions/LandingSite
Scenario	☐ LandingSite/UserStory/Scenario.md at main · 2
	4-S1-2-C-Moral-Decisions/LandingSite
Meeting Minutes	☐ LandingSite/Meeting/2025S1 at main · 24-S1-
	2-C-Moral-Decisions/LandingSite
Summary	GitHub - 24-S1-2-C-Moral-Decisions/Landing
	Site: This is an archive of all the files used in the
	project.

https://moraldecisions.atlassian.net/jira/software/projects/SCRUM/summary

https://moraldecisions.atlassian.net/wiki/spaces/SCRUM/overview?force_transition=a7b67fb0-7c31-4c26-9927-ec58b17e9aa7

Q&A