



Group Members	
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Project: AI + Human Exploration of Daily Moral Decisions

# MORAL DECISIONS

## Sprint 3

[24-S1-2-C-Moral-Decisions \(github.com\)](https://github.com/24-S1-2-C-Moral-Decisions)

# Introduction

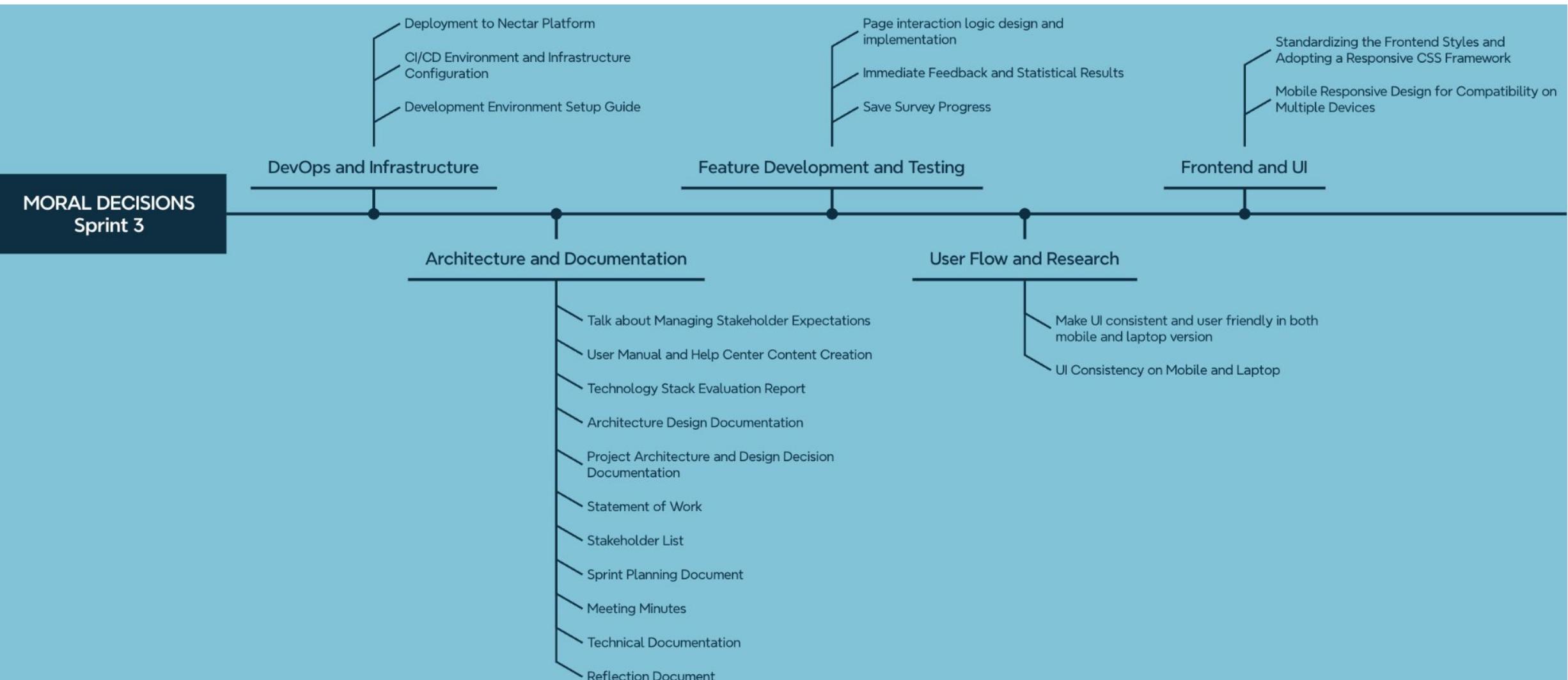
## Goal

- 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 3 OVERVIEW



SoW: <https://github.com/24-S1-2-C-Moral-Decisions/LandingSite/tree/main/25S1/StatementOfWork>

# SPRINT 3 OVERVIEW

<https://moraldecisions.atlassian.net/wiki/spaces/SCRUM/overview>

## 1. DevOps and Infrastructure

- Deployment to Nectar Platform
- CI/CD Environment and Infrastructure Configuration
- Development Environment Setup Guide

## 2. Architecture and Documentation

- Talk about Managing Stakeholder Expectations
- User Manual and Help Center Content Creation
- Technology Stack Evaluation Report
- Architecture Design Documentation
- Project Architecture and Design Decision Documentation
- Statement of Work
- Stakeholder List
- Sprint Planning Document
- Meeting Minutes
- Technical Documentation
- Reflection Document

## 3. Feature Development and Testing

- Page interaction logic design and implementation
- Immediate Feedback and Statistical Results
- Save Survey Progress
- New page for Survey

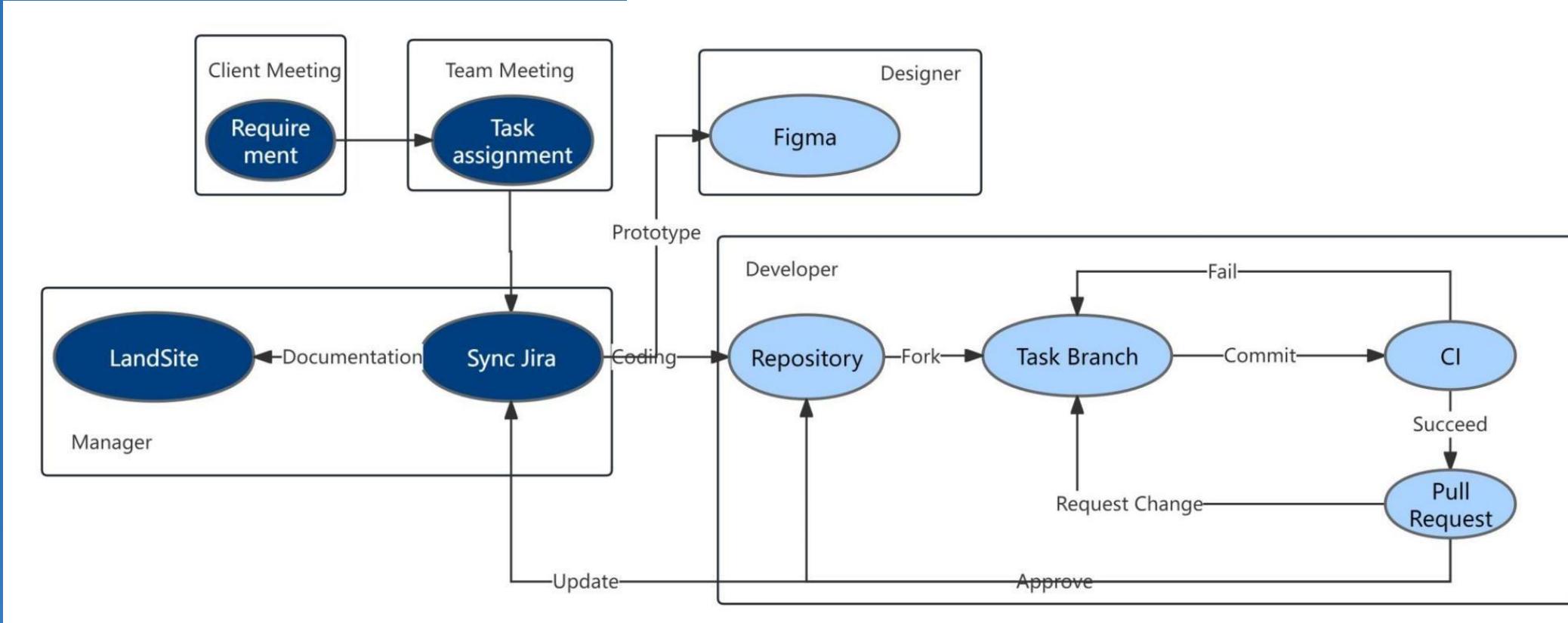
## 4. User Flow and Research

- Make UI consistent and user friendly in both mobile and laptop version
- UI Consistency on Mobile and Laptop

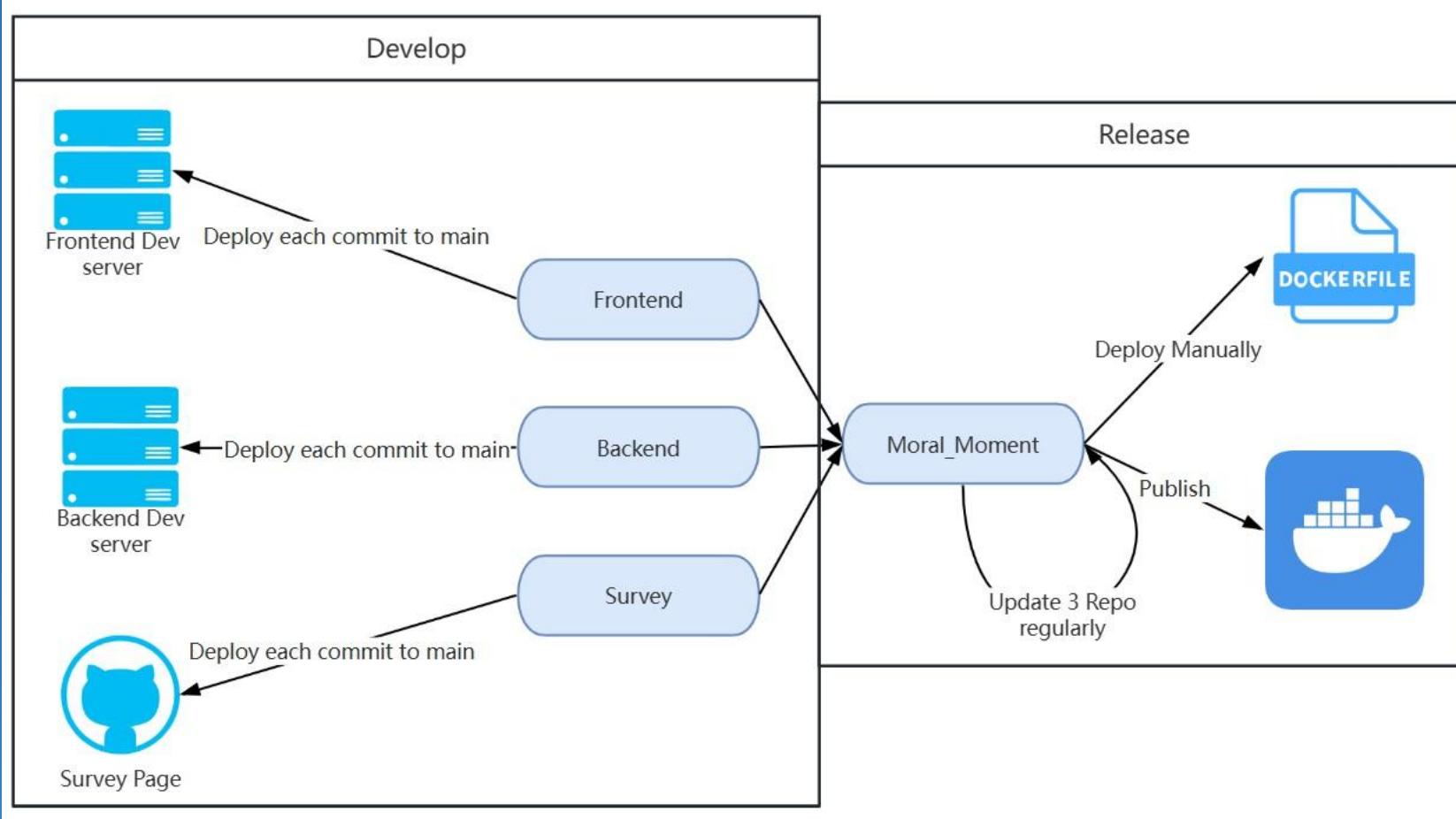
## 5. Frontend and UI

- Standardizing the Frontend Styles and Adopting a Responsive CSS Framework
- Mobile Responsive Design for Compatibility on Multiple Devices

# Teamwork



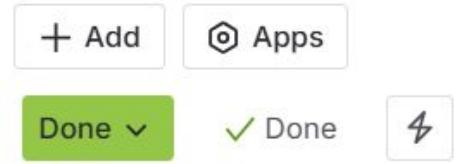
# Teamwork



# Teamwork - Sprint3

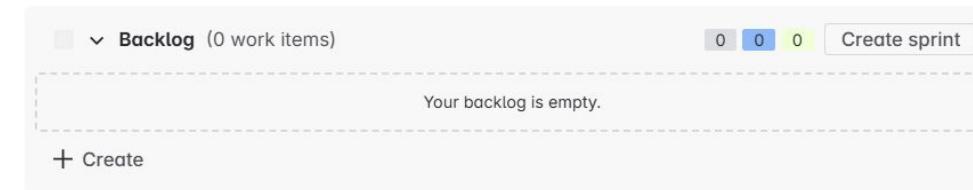
## Jira

### Reflection Doc



### Description

LandingSite/25S1/Reflection at main · 24-S1-2-C-Moral-Decisions/LandingSite



SCRUM Sprint 3 28 Apr – 19 May (16 work items)		0 0 0	Complete sprint	...
<input checked="" type="checkbox"/> SCRUM-1	Standardizing the Fronten...	DONE ▾	17 May	- FL
<input checked="" type="checkbox"/> SCRUM-10	Technology Stack Evalu...	DONE ▾	29 Apr	- Pikachu
<input checked="" type="checkbox"/> SCRUM-12	User Manual and Help C...	DONE ▾	05 May	- FL
<input checked="" type="checkbox"/> SCRUM-3	Mobile Responsive Design...	DONE ▾	19 May	- ZK
<input type="checkbox"/> SCRUM-21	Server and database per...	DONE ▾	-	= ZL
<input type="checkbox"/> SCRUM-27	Make UI consistent and ...	DONE ▾	26 May	- Pikachu
<input checked="" type="checkbox"/> SCRUM-45	UI Consistency on Mobil...	DONE ▾	12 May	- ZL
<input checked="" type="checkbox"/> SCRUM-17	Page interaction logic de...	DONE ▾	27 Apr	- LX
<input checked="" type="checkbox"/> SCRUM-41	Immediate Feedback an...	DONE ▾	05 May	- ZK
<input checked="" type="checkbox"/> SCRUM-40	Save Survey Progress	DONE ▾	15 May	- YM
<input checked="" type="checkbox"/> SCRUM-65	Talk about Managing St...	DONE ▾	26 Apr	- ZK

**Sprint 3 is complete:**

- All tasks are assigned and finished
- Backlogs are completed
- Documentations are linked with GitHub

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

# Teamwork - Sprint3

## GitHub

	PlanningAndOrganization
	Plan1-AzureDeployment.md
	Plan10-ServerConnectivity.md
	Plan2-MobileResponsiveDesig...
	Plan3-FrontEndStyle.md
	Plan4-MigrationDataFromPost...
	Plan5-NectarSetup.md
	Plan6-BackendImprovement.md
	Plan7-SurveyBugFix.md
	Plan8-BackendAPISync.md
	Plan9-SetupCrossEnv.md
	PlanLogTemplate.md
	README.md

	Reflection
	Ref1-TeamAndSOW.md
	Ref2-DocAndCommunication....
	Ref3-FrontpageAndDeployme...
	Ref4-BackendAndOptmization...
	Ref5-MigrationData.md
	Ref6-SurveyBugDetectionAnd...
	Ref7-BackendAPI.md
	Ref8-CrossEnvDeployment.md
	Ref9-ServerAndNectarIPIssue....
	ReflectionTemplate.md

Rearranged the Landing Site  
- Make the layout clearer  
- Classified Documentations

	25S1
>	Meeting
>	PlanningAndOrganization
>	Presentation
>	Reference
>	Reflection
>	StakeholderList
>	StatementOfWork
>	TeamCharter
>	UserStory
>	Workflow/Coding
	StakeholdersListAndImpact.md
	TechStack.md
>	Old

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

# Stakeholder Engagement with the Client

LandingSite / 25S1 / Meeting / Client / 2025-05-12\_ClientMeetingMinutes.md

Preview Code Blame 43 lines (26 loc) · 1.63 KB

## Attendees

People who attended: All team members and the client

## Agenda Items

Item	Description
Review of Sprint 3 Progress	Review of completed work including Survey and backend bug fix; discussion of Nectar IP issues as well as backend connections
Discussion about Next Semester process	Identifying key issues need to be finished this semester: Survey, front page, database and Nectar , then discuss about other works should be done next semester

LandingSite / 25S1 / Meeting / Tutor / 2025-05-12\_Tutorial\_MeetingMinutes.md

Preview Code Blame 39 lines (25 loc) · 1.87 KB

## Attendees

People who attended: All team members.

## Agenda Items

Item	Description
Sprint 3 Review	Discuss outcomes, progress, and issues from Sprint 3
Frontend/Backend Sync	Discuss any current or potential integration problems between front and back end
Identify Issues	Identify problems with information accessibility
Document Organization	Review current layout and ease of navigation for key documents

The screenshot shows a file tree structure. The root folder is '25S1', which contains two subfolders: 'Meeting' and 'Client'. The 'Meeting' folder is expanded, showing files for dates from March 3 to May 12, each labeled 'ClientMeeting...'. The 'Client' folder is also expanded, showing files for the same dates. The '2025-05-12\_ClientMeeting...' file is highlighted.

## Active Communication channels

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

The screenshot shows a Microsoft Teams chat window titled 'Moral Moments - AI + Human Exploration of Daily Moral Decisions'. The messages are as follows:

- Ziyu Chen: 3/24 2:54 PM  
done! use "ssh username@alta\_techlauncher"
- Ziyu Chen: 3/24 2:54 PM  
[https://anu.au1.qualtrics.com/fi/preview/previewId/10b11886-812f-446d-8e4a-09dd362d1c95/SV\\_3rwCprKgA49E72e?Q\\_CHL=preview&Q\\_SurveyVersionId=current](https://anu.au1.qualtrics.com/fi/preview/previewId/10b11886-812f-446d-8e4a-09dd362d1c95/SV_3rwCprKgA49E72e?Q_CHL=preview&Q_SurveyVersionId=current)  
control version design(parallel with other treatment survey)
- Zhiyu Li: 4/14 2:05 PM  
The agenda of this week: <https://github.com/24-S1-2-C-Moral-Decisions/LandingSite.git> Ziyu Chen
- Zhiyu Li: 4/14 2:05 PM  
GitHub - 24-S1-2-C-Moral-Decisions/LandingSite...  
This is an archive of all the files used in the project. - 24-S1-2-C-Moral-Decisions/LandingSite
- Ziyu Chen: 4/14 2:15 PM Edited  
TODO by ziyu:  
1. send the newest smaller posts(5-10) dataset for survey website to the group  
2. new figures related to above data to be shared on onedrive
- Ziyu Chen: 4/14 2:21 PM  
to be updated
- Ziyu Chen: 4/14 2:21 PM  

My files : techlauncher\_survey\_website\_resource : survey\_figure  
Name Modified Modified By File size Sharing Activity

  - controversy/uncertainty April 22, 2024 Ziyu Chen 105 items Shared
  - uncertainty April 22, 2024 Ziyu Chen 210 items Shared
  - controversy April 22, 2024 Ziyu Chen 106 items Shared
  - 105\_selected\_posts.xlsx April 27, 2024 Ziyu Chen 276 KB Shared
- Ziyu Chen: 4/14 2:55 PM  
I have got access to JIRA. Thanks for the invite guys!

ZK

你  
Hi Andrew, I have invited you to our jira repo. Thanks for your reminding. Zehua Kong

周三 2025/4/2 9:34

AS

Andrew Smith  
I have access to the repo, but where is your documentation? Best, Andy Smith

周三 2025/4/2 9:41

ZK

Zehua Kong  
收件人: @ Andrew Smith

😊 ← 答复 ← 全部答复 → 转发 | ⌂ | ⌃ | ...  
周三 2025/4/2 9:49

Hi Andrew,

Our documentation is in our GitHub:

<https://github.com/24-S1-2-C-Moral-Decisions/LandingSite>

Our meeting minutes, planning and organization, SoW, User story are all in this GitHub repo.

Also, here is a link to this documentation in the first page of our sprint1 slide we sent you on March 24.

Thanks,  
Zehua Kong

Get [Outlook for Android](#)

...

AS

Andrew Smith  
Thank you, I have access and I appreciate your quick response. Best, Andy Smith.

周三 2025/4/2 9:54

# Stakeholder Engagement

Ziyu Chen 4/14 14:55



I have got access to JIRA. Thanks for the invite guys!

4月28日

Shutong Li 4/28 10:59

SL  
Today's meeting agenda:

Review of Sprint 2 Progress:

Completed work: survey and Nectar

Challenges and resolutions

Discussion on Sprint 3 Requirements

Key features and priorities

Timeline expectations



Zihao Li 5/5 14:13



<http://115.146.86.210:3000/>

Yu Ma 星期一 11:39



TODO: home IP

Ziyu Chen 星期一 11:58



TODO: show new survey page & deployment by Zihao Li, Zhenhao Li (video)

Zhenhao Li 星期一 16:30



Hi Ziyu, here is the new page for the control survey.



SCRUM Sprint 3 28 Apr – 19 May (1 of 16 work items visible)									
		0 0 0 Complete sprint ...							
<a href="#">SCRUM-27 Make UI consistent and user friendly in both mobile and laptop version</a>						<span>DONE</span> <span>26 May</span> <span>zL</span>			
<a href="#">+ Create</a>									
Completed Sprints <span>Add dates</span> (6 of 37 work items visible)									
<a href="#">SCRUM-24 Client access and export raw data</a>		<span>DONE</span>	<span>24 Mar</span>	<span>zL</span>					
<a href="#">SCRUM-29 Get to know what research ideas and findings are in this project</a>		<span>DONE</span>	<span>24 Mar</span>	<span>o</span>					
<a href="#">SCRUM-26 Include control version of the survey into the survey website apart from previous treatment</a>		<span>DONE</span>	<span>24 Mar</span>	<span>FL</span>					
<a href="#">SCRUM-28 Try their survey demo to see the experiment flow</a>		<span>DONE</span>	<span>24 Mar</span>	<span>YM</span>					
<a href="#">SCRUM-25 Client make a survey to public</a>		<span>DONE</span>	<span>02 Apr</span>	<span>zL</span>					
<a href="#">SCRUM-23 Control Nectar Research Cloud</a>		<span>DONE</span>	<span>21 Apr</span>	<span>zL</span>					

User stories from user, client, and researcher

<https://moraldecisions.atlassian.net/jira/software/projects/SCRUM/boards/1/backlog?issueType=10003>

# Stakeholder Engagement

## Actively engaging and Implementing Feedback

**Client** Task Management: Added Jira ticket column in meeting

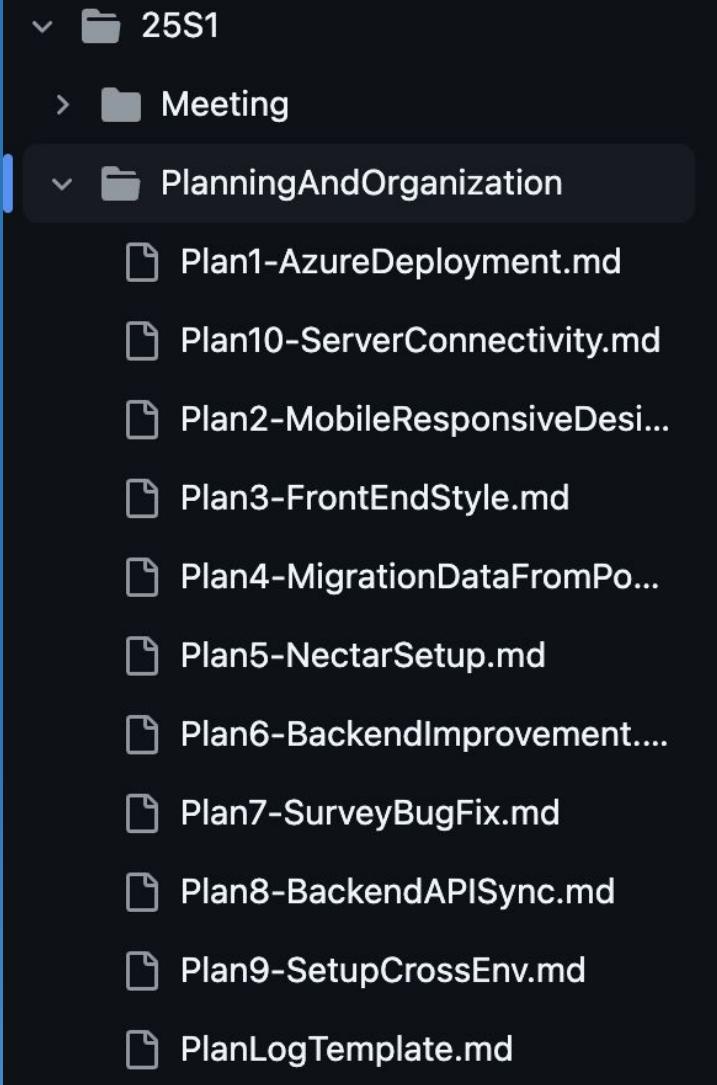
minutes for improved task tracking.

- 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

# Teamwork - Planning and Organization



- 25S1
- Meeting
- PlanningAndOrganization
  - Plan1-AzureDeployment.md
  - Plan10-ServerConnectivity.md
  - Plan2-MobileResponsiveDesi...
  - Plan3-FrontEndStyle.md
  - Plan4-MigrationDataFromPo...
  - Plan5-NectarSetup.md
  - Plan6-BackendImprovement....
  - Plan7-SurveyBugFix.md
  - Plan8-BackendAPISync.md
  - Plan9-SetupCrossEnv.md
  - PlanLogTemplate.md

LandingSite / 25S1 / PlanningAndOrganization / Plan9-SetupCrossEnv.md ↑ Top

Preview | Code | Blame | 59 lines (45 loc) · 4.25 KB Raw | Download | Edit | ⋮

## Planning Options

- Option 1: Platform-specific Scripts - Create separate setup scripts for each major operating system.
- Option 2: Cross-env Implementation - Modify our build system to use cross-env for environment variable handling and normalize path separators.
- Option 3: Containerized Development - Move to a Docker-based development environment that abstracts away OS differences.

## Planning Rationale

After analyzing the setup compatibility issues, we concluded:

- Option 1 would create maintenance overhead with multiple script versions and complicate future changes;
- Option 2 addresses the core compatibility issues with minimal changes to existing workflows and developer habits;
- Option 3 provides complete environment consistency but requires significant changes to development workflows and additional resource overhead.

Therefore, the final decision is to adopt **Option 2**.

## Planning Outcome

We will implement cross-environment compatibility by integrating cross-env into our build process and normalizing path handling across our setup scripts. This approach will ensure that all setup and build commands work consistently regardless of the developer's operating system.

<https://github.com/24-S1-2-C-Moral-Decisions/LandingSite/tree/main/25S1/PlanningAndOrganization>

# User Story

Client marks each user story !

importance from 1-5 (5 is most important)

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

A	B	C	D
As a...	I want to...		Importance(0-5)
user	see autocomplete suggestions when typing keywords in the search box	I can find relevant moral dilemma posts faster	2
user	select different topics, the page will not refresh as a whole, but switch smoothly	I can browse discussions in a specific category more efficiently	2
user	see the latest and most popular ethical dilemmas	I can focus on the most worthy content	1
user	see detailed instructions for taking the "Am I The Asshole?" test	I can know the duration of the test, the types of questions, and how the results are evaluated	3
user	enter content in the search box, and then click on other areas of the page, the input content will not be cleared	I can continue to enter or modify the search keywords at any time without having to re-enter them	
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
user	see consistent button designs	I can easily recognize and interact with navigation elements	
user	the text in the "Similar Posts" section to be properly aligned	I can easily read the content without misalignment issues	
user	browse the webpage in my favorite language	I can understand the content	
user	see an introduction to the project, its purpose, and a summary of the main features on the landing page		
user	clearly see the search input field and category selection	I can quickly understand the project's background and the value it offers me	
user	see the category selector (e.g., "All") properly aligned within the search bar	I can efficiently search for relevant posts	
user	be able to create an account through a simple registration process	I can easily select and filter my searches without UI distortion	
user	be able to click on a share button when the game ends	I can participate in surveys and view my personal results	
user	log in to the system using my account	share my game result quickly with others	
user	be able to save my progress while completing the survey	my survey data and history are saved for future reference	3
user	receive immediate feedback and see statistical results after submitting the survey	I can resume from where I left off without having to start over	4
user	select my preferred language on the site	understand how my choices compare with those of other users	4
user	receive notifications (via email or in-app) when new surveys are available or when my survey results are updated	I can view content in a language I understand best	
user	receive gentle reminders if I have left a survey incomplete		
user	share my survey results or interesting insights on social media	I stay informed about new opportunities to participate and view insights	
user	the website to comply with accessibility standards (e.g., WCAG)	I can return and finish it without missing out on contributing my opinion	
user	assurance that my survey responses and personal data are kept confidential and secure	I can engage with my community and spark discussions about moral decisions	
user	the site to provide real-time translations of user discussions into any language, even those I create on the spot.	I can navigate and use the site easily regardless of any disabilities	
user	view and update my profile information (such as my email, password, and preferences)	I feel safe sharing my opinions	
user	access a history of my survey responses and view trends over time		
user	display content based on my mood, detected through the camera	I can understand and participate in discussions in any linguistic format I choose.	
user		my account information remains current and secure	
user	the option to sort search results by popularity or by post date	I can reflect on how my moral perspectives evolve	
user	participate in discussion forums or comment sections associated with survey results	site always matches the tone and topics to my current emotional state	
user	be able to submit feedback or report issues directly through the website,	I can view the most relevant or the most recent content according to my preference	
		I can share my insights and engage in conversations with other users about moral decisions	
		I can help improve the platform and have my concerns addressed promptly	
		the UI is readable and functional on all screens	
		can search for topics efficiently	5

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

<https://github.com/24-S1-2-C-Moral-Decisions/LandingSite/tree/main/25S1/UserStory>

# 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

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.
--	--	--	---	---	---

Function	User Story	Expected 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.	When the user attempts to save my progress while completing the survey, 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 save my progress while completing the survey 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.				
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.	When the user attempts to receive immediate feedback and see statistical results after submitting the survey, 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 receive immediate feedback and see statistical results after submitting the survey 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.				
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 moral decisions.	When the user attempts to share my survey results or interesting insights on social media, 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 share my survey results or interesting insights on social media.	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	As a mobile user with various devices, I want to see a consistent layout across different phone models, so that the UI is readable and functional on all	When the user attempts to see a consistent layout across different phone models, 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.	Sys as c up sh etc cor acr mo int soc control Nectar Research Cloud costs and avoid resource waste	As a project client, I want to control Nectar Research Cloud costs and avoid resource waste, so that I can run it at a low cost.	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.	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 control Nectar Research Cloud costs and avoid resource waste 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.
				add introduction of the research goal section	As a project client, I want to add introduction of the research goal section, so that I can let the users understand the purpose of the website.	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.	System feedback such as displaying content, updating the page, showing notifications, etc., related to add introduction of the research goal section 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.
				access and export the raw survey data	As a client, I want to access and export the raw survey data, so that I can perform in-depth analysis and academic research.	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.	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 access and export the raw survey data 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.
				make a survey demo website visible to the public	As a client, I want to make a survey demo website visible to the public, so that users can try it openly.	When the user attempts to make a survey demo website visible to the public, 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 make a survey demo website visible to the public 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.

<https://github.com/24-S1-2-C-Moral-Decisions/LandingSite/blob/main/25S1/UserStory/FeatureList.md>

# 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.

<https://github.com/24-S1-2-C-Moral-Decisions/LandingSite/blob/main/25S1/UserStory/Scenario.md>

# Issue Board & Branches

24-S1-2-C-Moral-Decisions / moral-back-end

Code Issues 4 Pull requests 2 Actions Projects Security 5

is:issue state:open

Open	Closed
4	0

Author ▾

- Fix backend bug when fetching thesurvey data**  
#43 · lzh12311 opened 17 hours ago
- Deploy Azure for backend normalization**  
#41 · Universe-E opened on Mar 16

<https://github.com/24-S1-2-C-Moral-Decisions/moral-back-end/issues>

24-S1-2-C-Moral-Decisions / moral-survey

Type to search | + | ⌂ | ⌂ | ⌂ | ⌂ | ⌂ | ⌂

Code Issues Pull requests Actions Projects Wiki Security Insights

Branches

New branch

Branch	Updated	Check status	Behind	Ahead	Pull request
main	last month	2 / 2	Default	0	...
controlSurvey	2 weeks ago	1 / 2	0	1	...

<https://github.com/24-S1-2-C-Moral-Decisions/moral-survey/branches/all>

24-S1-2-C-Moral-Decisions / moral-back-end

Type to search | + | ⌂ | ⌂ | ⌂ | ⌂ | ⌂ | ⌂ | ⌂

Code Issues Pull requests Actions Projects Security 7 Insights

Branches

New branch

Branch	Updated	Check status	Behind	Ahead	Pull request
main	1 hour ago	5 / 7	Default	0	...
sprint3-fix-crossOS	last week	2 / 2	1	0	#47
sprint3_filter_lavender	last week	2 / 2	7	0	#46
fixSurveyBug	last month	2 / 2	9	0	#42

<https://github.com/24-S1-2-C-Moral-Decisions/moral-back-end/branches/all>

# Pull Requests

## Reviewers



Universe-E



lzh12311



## For each PR:

1. run CI/CD checklist before merging

2. Reviewer approval

## Sprint 3 Filter Function #46

Merged

Universe-E merged 1 commit into main from sprint3\_filter\_lavender last week

Conversation 2

Commits 1

Checks 2

Files changed 2



Finished Sprint 3 Filter Function 262c380

### Backend CI

on: push

#### ✓ build-check

### Backend CI

on: pull\_request

### build-check

succeeded last week in 41s

- > ✓ Set up job
- > ✓ Run actions/checkout@v4
- > ✓ Use Node.js 20.11
- > ✓ Run npm install
- > ✓ Run npm run lint:check
- > ✓ Run npm run build
- > ✓ Run npm run test

<https://github.com/24-S1-2-C-Moral-Decisions/moral-back-end/pull/46/checks>

# Pull Requests

## Reviewers



Universe-E



lzh12311



2 Open ✓ 41 Closed

Author ▾ Label ▾ Projects ▾ Milestones ▾ Reviews ▾ Assignee ▾ Sort ▾

Sprint3 fix cross os ✓

#47 by Universe-E was merged 1 hour ago • Approved

1

Sprint 3 Filter Function ✓

#46 by pikapikapikachu6 was merged last week • Approved

2

Lavender posts filter sprint3 ✗

#45 by pikapikapikachu6 was closed last week • Review required

2

Filter posts function\_Sprint 3 ✗

#44 by pikapikapikachu6 was closed last week • Review required

1

Fix survey bug ✓

#42 by lzh12311 was merged last month • Approved

survey jump #60

Open lzh12311 wants to merge 1 commit into `main` from `surveyJump`

Conversation 1 Commits 1 Checks 2 Files changed 3



lzh12311 commented 2 weeks ago

1. add click function for survey button.



survey jump

Edit Code ▾

+22 -3 ████

### Reviewers



Universe-E



Still in progress? [Convert to draft](#)

### Assignees

No one—[assign yourself](#)



### Labels

None yet



### Projects

None yet



### Milestone



<https://github.com/24-S1-2-C-Moral-Decisions/moral-back-end/pulls?q=is%3Apr+is%3Aclosed>



✓ Universe-E approved these changes 2 weeks ago

[View reviewed changes](#)

Member ...

✓ b4618cd

...

Universe-E left a comment

Good, now survey jump is available



<https://github.com/24-S1-2-C-Moral-Decisions/moral-front-end/pull/60>

# Group Discussion

## Reviewers



Universe-E



Izh12311



## For each PR:

**1. run CI/CD checklist before merging**

**2. Reviewer approvement**

The screenshot shows a GitHub pull request (PR) timeline. At the top, a message from user 'pikapikapikachu6' is shown, requesting review from 'Universe-E' and 'Izh12311' last week. Below this, another message from 'pikapikapikachu6' indicates the PR was closed last week. A comment from 'pikapikapikachu6' follows, stating: 'I need to fixed the CI/CD error and pr again'. A reply from 'Izh12311' is shown, indicating they approved the changes last week and left a comment: 'All good'. Another approval from 'Universe-E' is shown, also indicating they approved the changes last week. A detailed view of the CI/CD logs for the file 'src/service/search/search.service.ts' is provided, showing 10 passed tests, 37 total tests, and a duration of 16.179 s. The logs also mention a DeprecationWarning about the 'punycode' module.

**pikapikapikachu6 requested review from Universe-E and Izh12311 last week**

**pikapikapikachu6 closed this last week**

**pikapikapikachu6 commented last week**

I need to fixed the CI/CD error and pr again

**Izh12311 approved these changes last week**

**Izh12311 left a comment**

All good

**Universe-E approved these changes last week**

src/service/search/search.service.ts

**Universe-E last week**

This time there is no issue on failed test:

**RUNS** src/controller/post/post.controller.spec.ts  
(node:8272) [DEP0040] DeprecationWarning: The 'punycode' module is deprecated. Please use a userland alternative instead.  
Test Suites: 10 passed, 10 total  
Tests: 37 passed, 37 total  
Snapshots: 0 total  
Time: 16.179 s  
Ran all test suites.

<https://github.com/24-S1-2-C-Moral-Decisions/moral-back-end/pull/46>

# Risk Management

SCRUM Sprint 3 28 Apr – 19 May (3 of 16 work items visible)

Item	Status	Assignee
SCRUM-21 Server and database perform...	DONE	ZL
SCRUM-66 Deployment to Nectar Platfor...	DONE	ZL
SCRUM-69 Difficulty in Unified Deployme...	DONE	ZL

## 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.)



## Difficulty in Unified Deployment of Multiple Submodules

+ Add Apps

Done ✓ Done



### Description

Multiple survey submodules are difficult to deploy under a unified domain with separate paths (e.g., /survey1, /survey2).

build.sh and publish.sh scripts do not automatically aggregate outputs of all survey submodules into a unified deployment directory.

<https://moraldecisions.atlassian.net/jira/software/projects/SCRUM/boards/1/backlog?issueType=10034&selectedIssue=SCRUM-69>

### Strategy:

- Prioritize early detection and strategic mitigation

### Benefits:

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

# Improve Risk Management

The image shows a digital Scrum board titled "SCRUM Sprint 3" for the period "28 Apr – 19 May". It displays three work items, all marked as "DONE":

- SCRUM-21 Server and database perform... (Status: DONE)
- SCRUM-66 Deployment to Nectar Platfor... (Status: DONE)
- SCRUM-69 Difficulty in Unified Deployme... (Status: DONE)

A "Create" button is visible at the bottom left of the board.

**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.**

The image shows a "RiskLog" table with 13 rows of risk data. The columns include Date, Title, Assignees, Status, Mitigation Strategy, Impact, and Likelihood. Most risks are marked as "Solved".

Date	Title	Assignees	Status	Mitigation Strategy	Impact	Likelihood
1 Mar 17, 2025	[Risk] Azure Deplo...	Izh12311	Solved	Conduct detailed co...	High	Low
2 Mar 22, 2025	[Risk] Design and i...	SealTh...	In Progress	Prioritize user-cente...	High	Medium
3 Mar 22, 2025	[Risk] Modify CI/C...	Izh12311	Solved	Ensure proper testin...	Medium	Low
4 Mar 22, 2025	[Risk] Page interact...	Lingzil...	In Progress	Conduct user flow t...	High	Medium
5 Mar 22, 2025	[Risk] Developmen...	pikapik...	Solved	To mitigate these ris...	Medium	Medium
6 Mar 22, 2025	[Risk] The steep le...	Univer...	Solved	To mitigate this risk,...	Medium	Medium
7 Mar 22, 2025	[Risk] Insufficient ...	yuma-...	Solved	To address this risk,...	High	Medium
8 Apr 24, 2025	[Risk] Timeout err...	Izh12311	Solved	We implemented m...	High	Medium
9 Apr 26, 2025	[Risk] Deployment...	SealTh...	Solved	Conduct early envir...	High	Low
10 Apr 26, 2025	[Risk] Increased P...	yuma-...	Solved	Perform early user fl...	Medium	Medium
11 Apr 28, 2025	[Risk] Server and ...	Izh12311	Solved	Perform load testing...	Medium	High
12 May 5, 2025	[Risk] Deployment...	yuma-...	Solved	Conduct early envir...	Medium	Medium
13 May 12, 2025	[Risk] Difficulty in ...	SealTh...	Solved	Configure each sub...	High	Medium

# Reflection

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## ✓ What went well?

- Nectar Installation - all team members use Nectar managing remote directories
- Technical documentation completed (architecture, API auto-gen, dev guides)
- Backend Optimization
- Fix Survey Bug - add new random survey (controller)
- User stories written based on client input

## ⚠ What could be improved?

- Backend Improvement - Cross Operating System
- New Requirements (Nectar, versioning, backend improvement)
- New Survey Pages - “Controller”
- Page interaction logic took longer due to unclear UI / UX requirements



## 🔧 What 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's next - Semester

- Frontend Page Alignment
- Conduct UX research & prototype testing
- Support tech upskilling for some members
- Re-prioritize tasks for timely delivery

# Reflection

Name	Last commit message
..	
Ref1-TeamAndSOW.md	update planning and organization
Ref2-DocAndCommunication.md	update planning and organization
Ref3-FrontpageAndDeployment.md	update planning and organization
Ref4-BackendAndOptmization.md	update planning and organization
Ref5-MigrationData.md	update planning and organization
Ref6-SurveyBugDetectionAndSolution.md	update planning and organization
Ref7-BackendAPI.md	update reflections
Ref8-CrossEnvDeployment.md	update reflections
Ref9-ServerAndNectarPIssue.md	update reflections
ReflectionTemplate.md	update landingsite layout

<https://github.com/24-S1-2-C-Moral-Decisions/LandingSite/tree/main/25S1/Reflection>

SCRUM-68  
    

## Reflection Doc

+ Add to

Completed

✓ Finish



### describe

LandingSite/25S1/Reflection at main · 24-S1-2-C-Moral-Decisions/LandingSite

<https://moraldecisions.atlassian.net/jira/software/projects/SCRUM/boards/1/backlog?selectedIssue=SCRUM-68>

# Resources

## All documents:

### Tutor required:

Item	Link
Statement of Work (SOW)	<a href="https://github.com/24-S1-2-C-Moral-Decisions/LandingSite/blob/main/StatementOfWork/2025S1/SoW.pdf">https://github.com/24-S1-2-C-Moral-Decisions/LandingSite/blob/main/StatementOfWork/2025S1/SoW.pdf</a>
Risk Register	<a href="#">RiskLog · 24-S1-2-C-Moral-Decisions</a>
Stakeholder List	<a href="#">LandingSite/StakeholderList/stakeholderList.md at main · 24-S1-2-C-Moral-Decisions/LandingSite</a>
Reflection	<a href="https://github.com/24-S1-2-C-Moral-Decisions/LandingSite/tree/main/Reflection/2025S1">https://github.com/24-S1-2-C-Moral-Decisions/LandingSite/tree/main/Reflection/2025S1</a>
Sprint Planning	<a href="#">LandingSite/PlanningAndOrganization/2025S1 at main · 24-S1-2-C-Moral-Decisions/LandingSite</a>
Technical Doc	<a href="#">LandingSite/TechStack.md at main · 24-S1-2-C-Moral-Decisions/LandingSite</a>

### Other documents:

Item	Link
User Story	<a href="#">LandingSite/UserStory/User story.xlsx at main · 24-S1-2-C-Moral-Decisions/LandingSite</a>
Feature List	<a href="#">LandingSite/UserStory/FeatureList.md at main · 24-S1-2-C-Moral-Decisions/LandingSite</a>
Scenario	<a href="#">LandingSite/UserStory/Scenario.md at main · 24-S1-2-C-Moral-Decisions/LandingSite</a>
Meeting Minutes	<a href="#">LandingSite/Meeting/2025S1 at main · 24-S1-2-C-Moral-Decisions/LandingSite</a>
Summary	<a href="#">GitHub - 24-S1-2-C-Moral-Decisions/LandingSite: This is an archive of all the files used in the project.</a>

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

<https://moraldecisions.atlassian.net/wiki/spaces/SCRUM/pages/12910603/Moral+Decisions+Project+Sprint+3>

# Q&A

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