

# LitPath AI: Smart Pathfinder for Theses and Dissertations

**Group 7: HecTech**

System Analysis and Detailed Design – MI231

MSYADD1

**Mr. Jose Eugenio L. Quesada**

# OUR TEAM



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Project Adviser**



Cempron, Charijoy



Concepcion, Marielle Kloie



Dulay, Jenine Elaine



Tomon, Tracie

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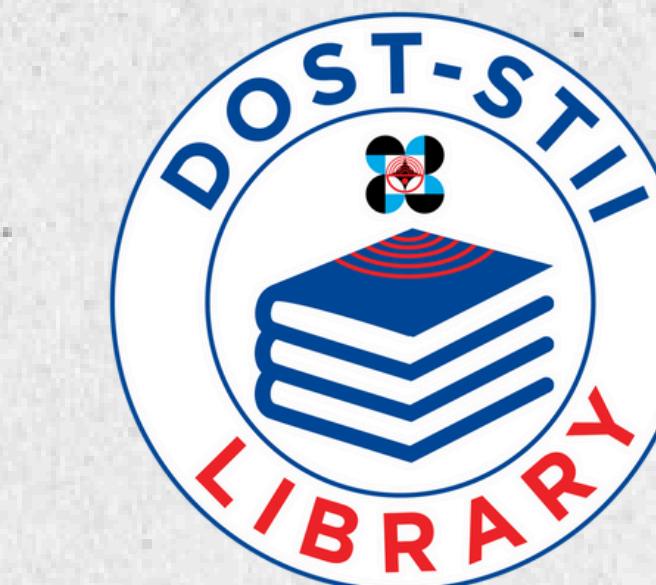
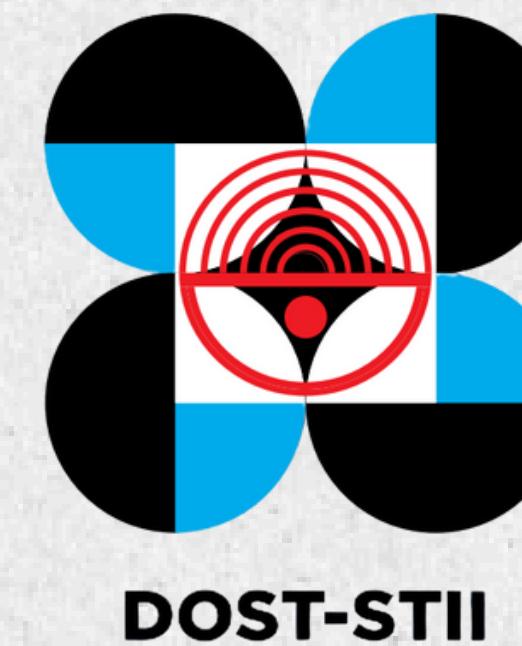
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**6** Individual Contributions/Closing

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# Introduction

The DOST-STII Library is an important asset for academic and professional research in the Philippines, serving as the primary information arm of the Department of Science and Technology (DOST). Through the DOST Union Catalog, a component of the Science and Technology Information Network of the Philippines (ScINET-PHIL), the library aims to provide a centralized platform for efficient access to these resources across 21 DOST libraries and 15 regional offices, facilitating research and saving users significant time.



*Tomon, Tracie*



# Midterm Comments Matrix

**Doc Manny Calimlim Jr.**

Comment	Response
Change the terms you used for the data flow. It should be noun which represents what the processes deliver which is data.	We revised the data flows to ensure they use appropriate noun-based terms that accurately represent the data delivered by each process.
Why is there such connection from use case "Prompt Research Questions" to use case "Query Analysis". You can remove it since it's not necessary, and it's understandable that there's connection between AI and the use cases.	We replaced 'Prompt Research Questions' and 'Query Analysis' with two clearer actions: 'Search Thesis/Dissertation' and 'Generate AI Analysis' to make the process flow much more direct and understandable.
Make sure that all the use cases in the Use Case Diagram should appear in the Data Flow Diagram.	All use cases from the Use Case Diagram are already represented in the Data Flow Diagram (Level 1). The extended use cases are specifically reflected in the Level 2 Data Flow Diagram.



**Tomon, Tracie**



# Midterm Comments Matrix

Sir Gonzalo Gumogda

Comment	Response
You can just extend the use case "Filter Discipline/Date".	We revised the Use Case Diagram by moving the detailed filtering logic to the Level 2 Data Flow Diagram, where the process can be explained more appropriately. We determined that filtering is more of a sub-process of the main search function rather than a distinct, optional use case.
Your contingency budget and food budget are too high. Where is the main costing, such as payment for Gemini AI, hosting, and the database? Don't focus on the DOST budget yet, prioritize only the initial costs for now.	We revised the budget allocation in OpenProject by lowering both the contingency and food budgets, while emphasizing the main costs, including Gemini AI, hosting, and internet expenses. The database expenses will be covered by DOST. While DOST funding will be considered later, for now, we will present only the initial project costs.
What if the request limit for Gemini is exceeded? How many requests are allowed—per user or per day?	We already checked Gemini AI's usage limits and included the request capacity in our documentation. If the limit is exceeded, our team discusses possible solutions, such as looking for alternative sources that are free or can accommodate a larger number of requests.
(OpenProject) In the planning phase, the hours and budget should not be equal. The allocations should differ for the Project Manager, Developer, and Quality Assurance.	We adjusted the planning phase allocation by assigning different hours and costs based on the responsibilities of each role. The Project Manager, Developer, and Quality Assurance will have distinct workloads and corresponding budget allocations.



# Midterm Comments Matrix

**Sir Carl Bueno**

Comment	Response
The term "Search Results" should be changed to either "Returned Results" or "Retrieved Results" in the Data Flow Diagram.	We revised the Data Flow Diagram by replacing "Search Results" with a more appropriate term.
It should be "Testing and Tuning" instead of "Testing and Optimization" in the Project Milestones.	We have updated the Project Milestones to use "Testing and Tuning" instead of "Testing and Optimization" for better accuracy.
The project milestones should be continuous, with no gaps. The timeframe for Testing and Tuning is too long; it should be a maximum of 3 months, including the warranty. After that, there should be a Phase 1 (not Pre-deployment), and it should only last one month, not longer. Also, in the development stage, there should be no Phase 1 and Phase 2.	We revised the project milestones to ensure continuity without gaps. The timeframe for testing and tuning will be adjusted to a maximum of 3 months, including the warranty. After this, the milestone will proceed directly to Deployment and Launch, with a duration of only 1 month. Additionally, we removed the Phase 1 and Phase 2 labels from the development stage.



**Tomon, Tracie**



# Midterm Comments Matrix

**Sir Dong Atienza**

Comment	Response
Why is there a 1-month gap between Testing and Tuning (ending in November) and Pre-development (starting in December)? It should be continuous.	We revised the project timeline to remove the 1-month gap, ensuring that Testing and Tuning transitions directly into the next phase without interruption.

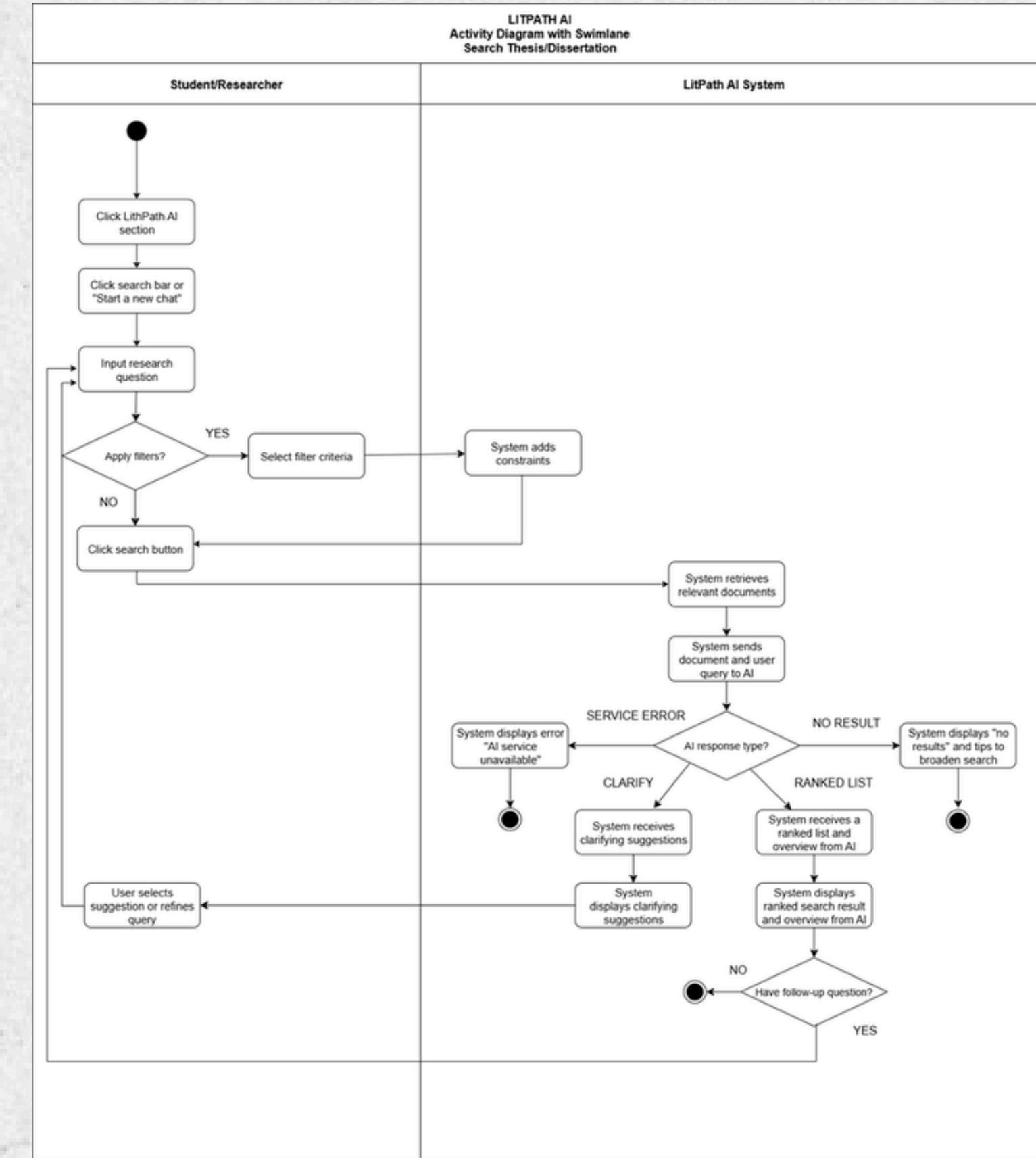


**Tomon, Tracie**



# Final Analysis & Design Diagrams

## Activity Diagrams



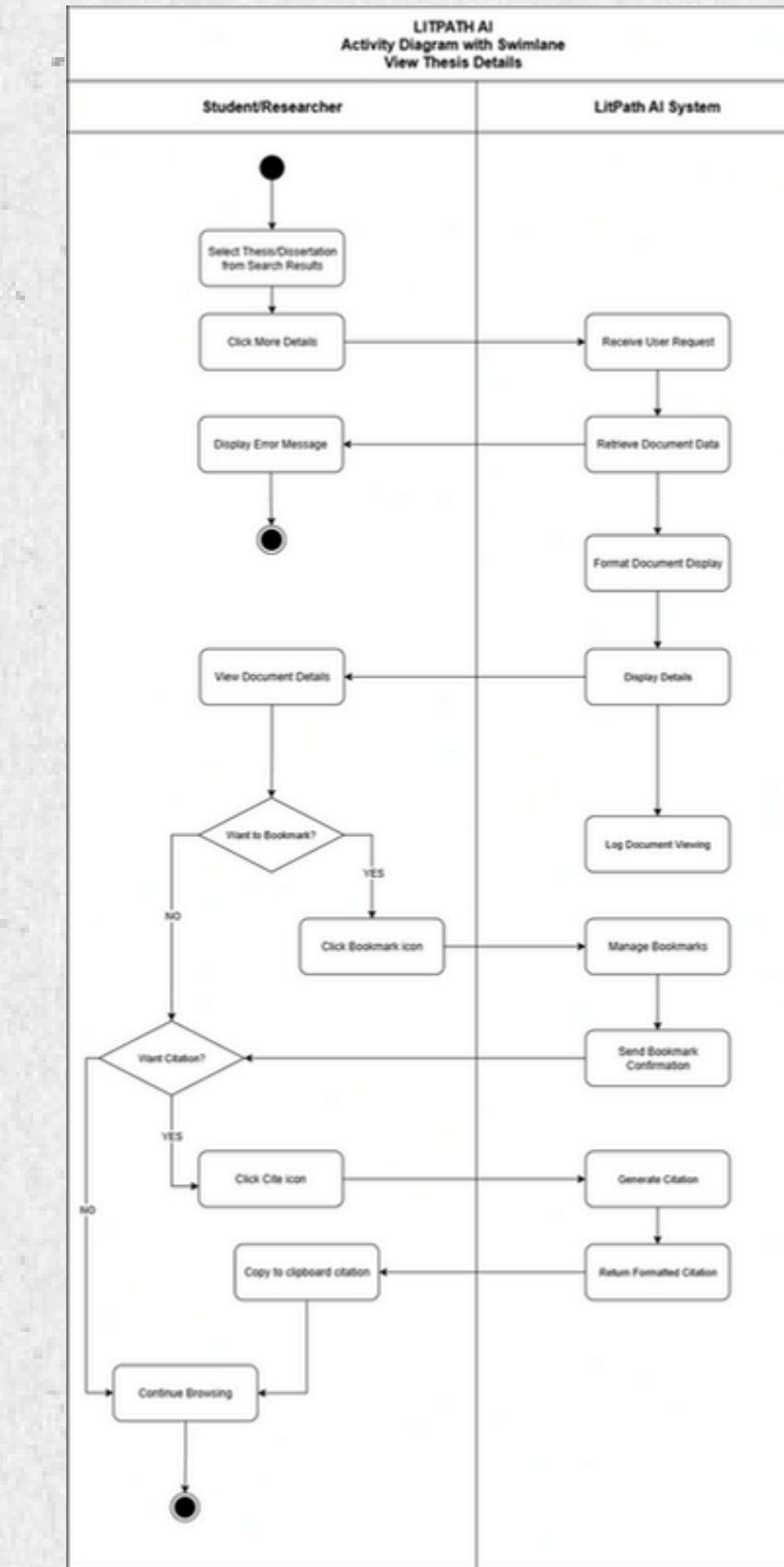
Cempron, Charijoy





# Final Analysis & Design Diagrams

## Activity Diagrams



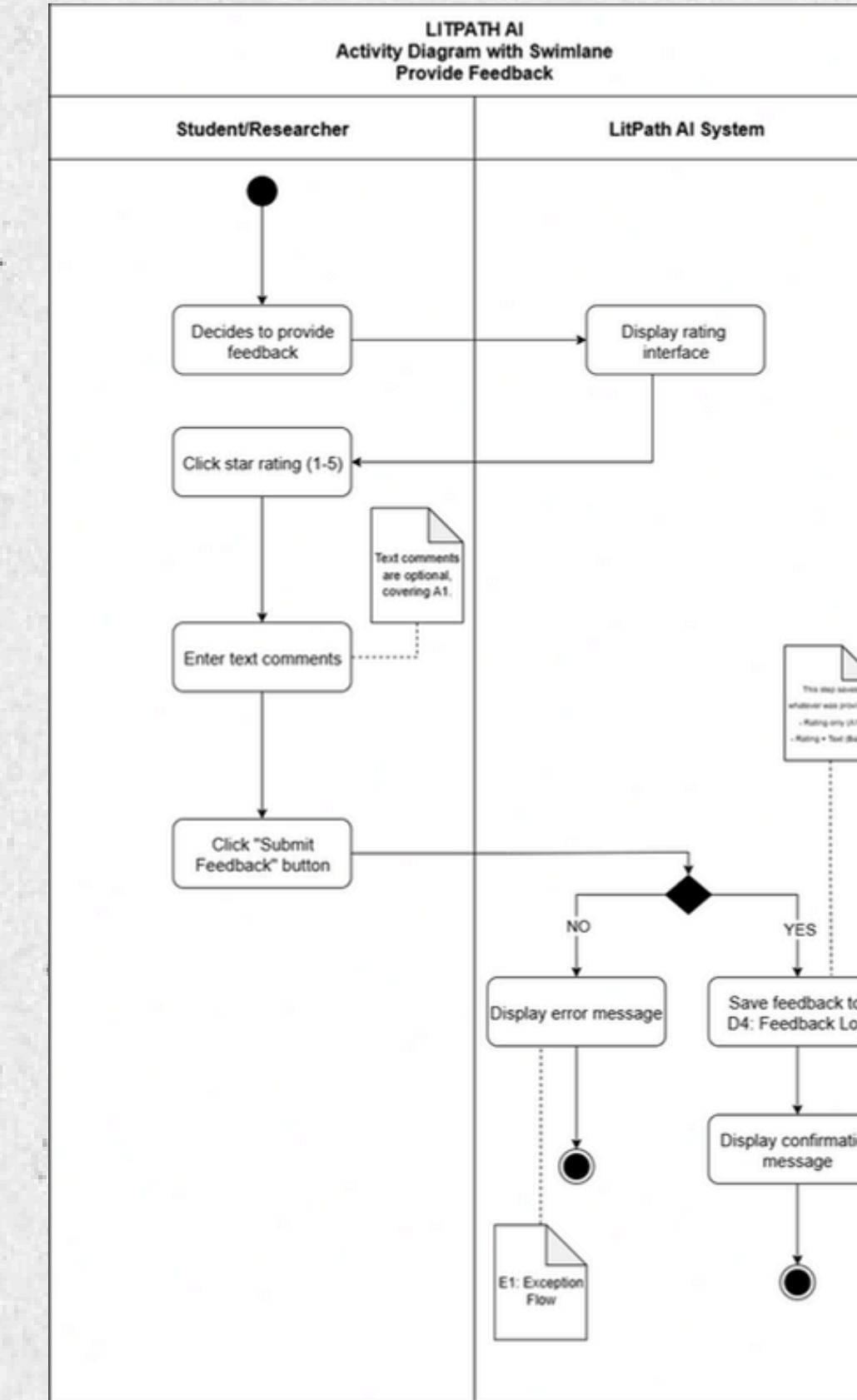
Cempron, Charijoy





# Final Analysis & Design Diagrams

## Activity Diagrams



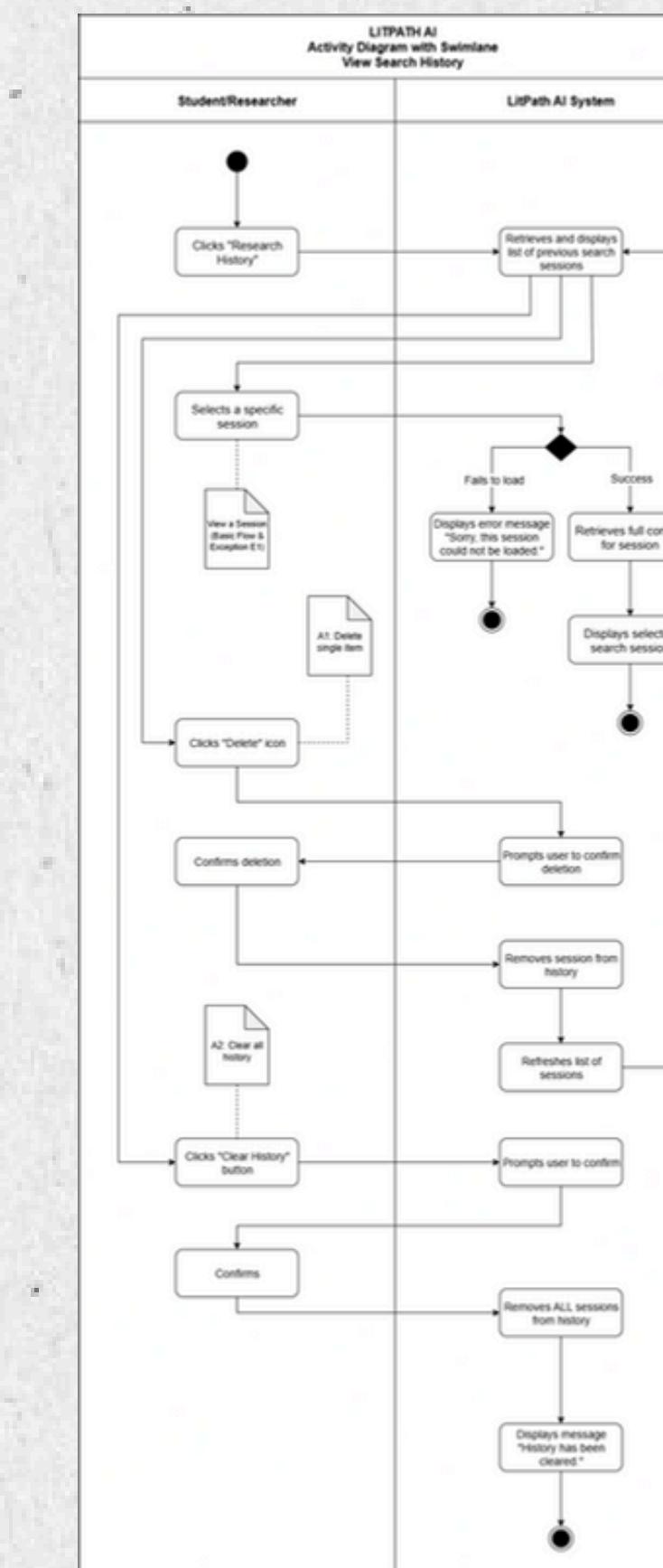
Cempron, Charijoy





# Final Analysis & Design Diagrams

## Activity Diagrams



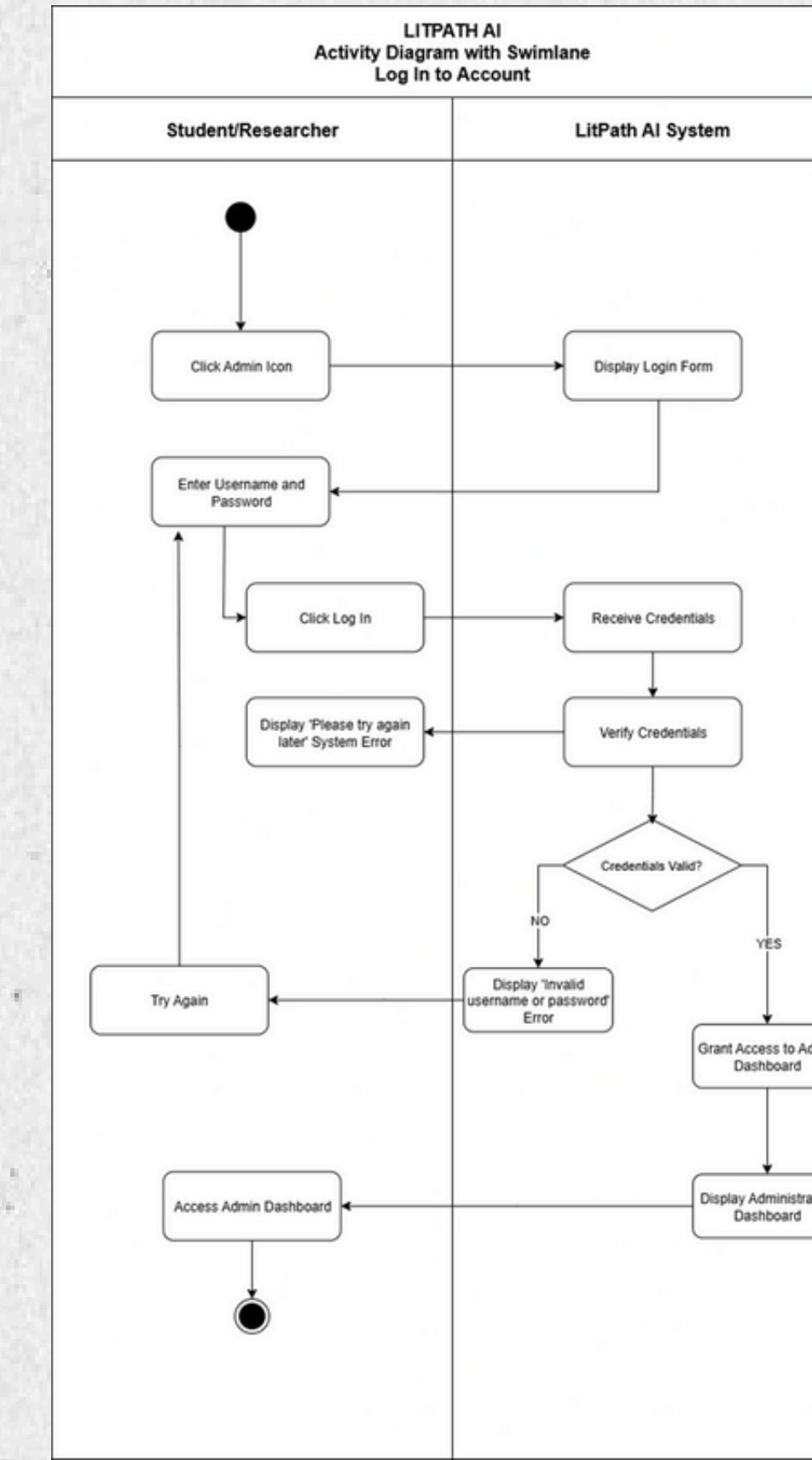
Cempron, Charijoy





# Final Analysis & Design Diagrams

## Activity Diagrams



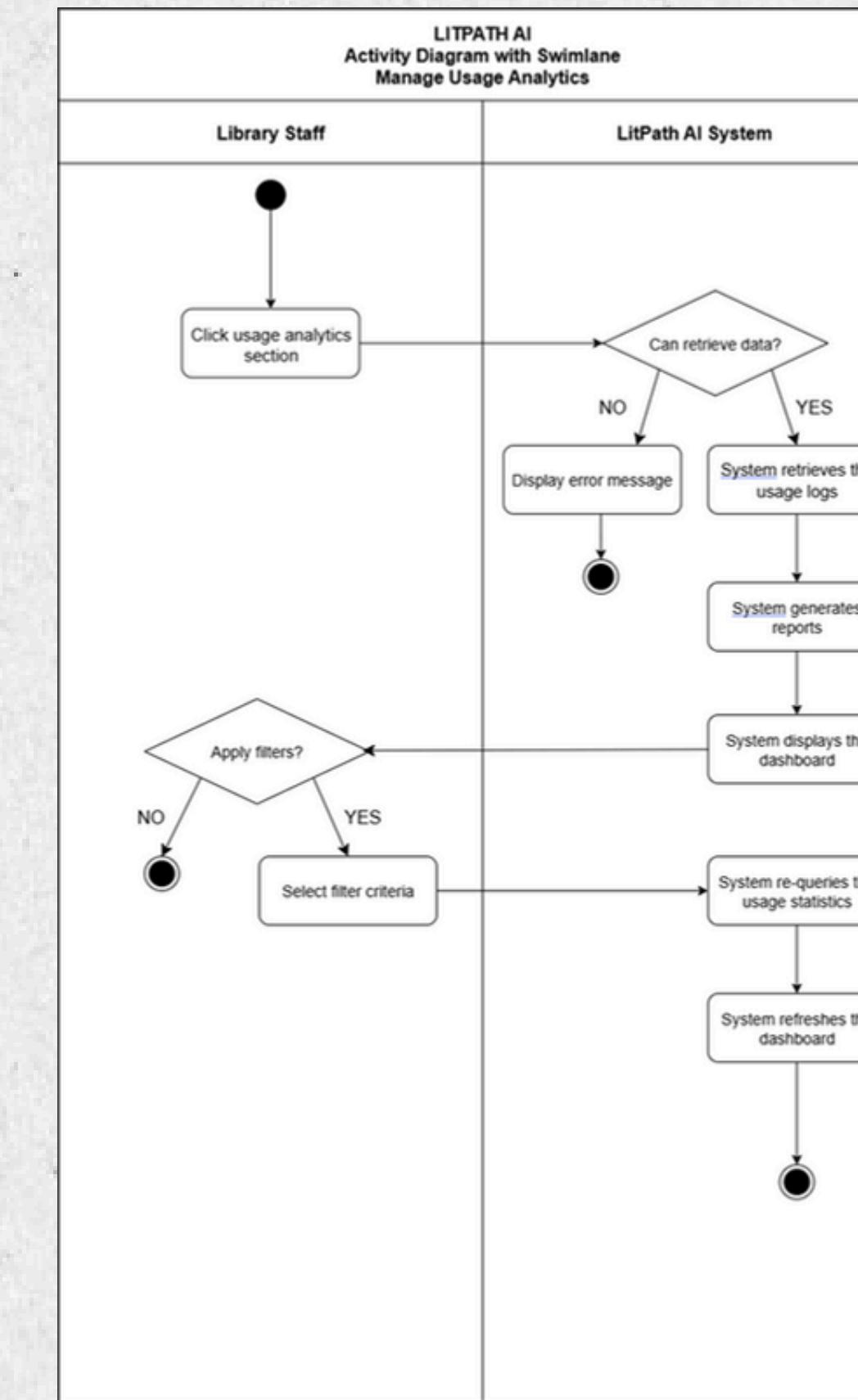
Cempron, Charijoy





# Final Analysis & Design Diagrams

## Activity Diagrams



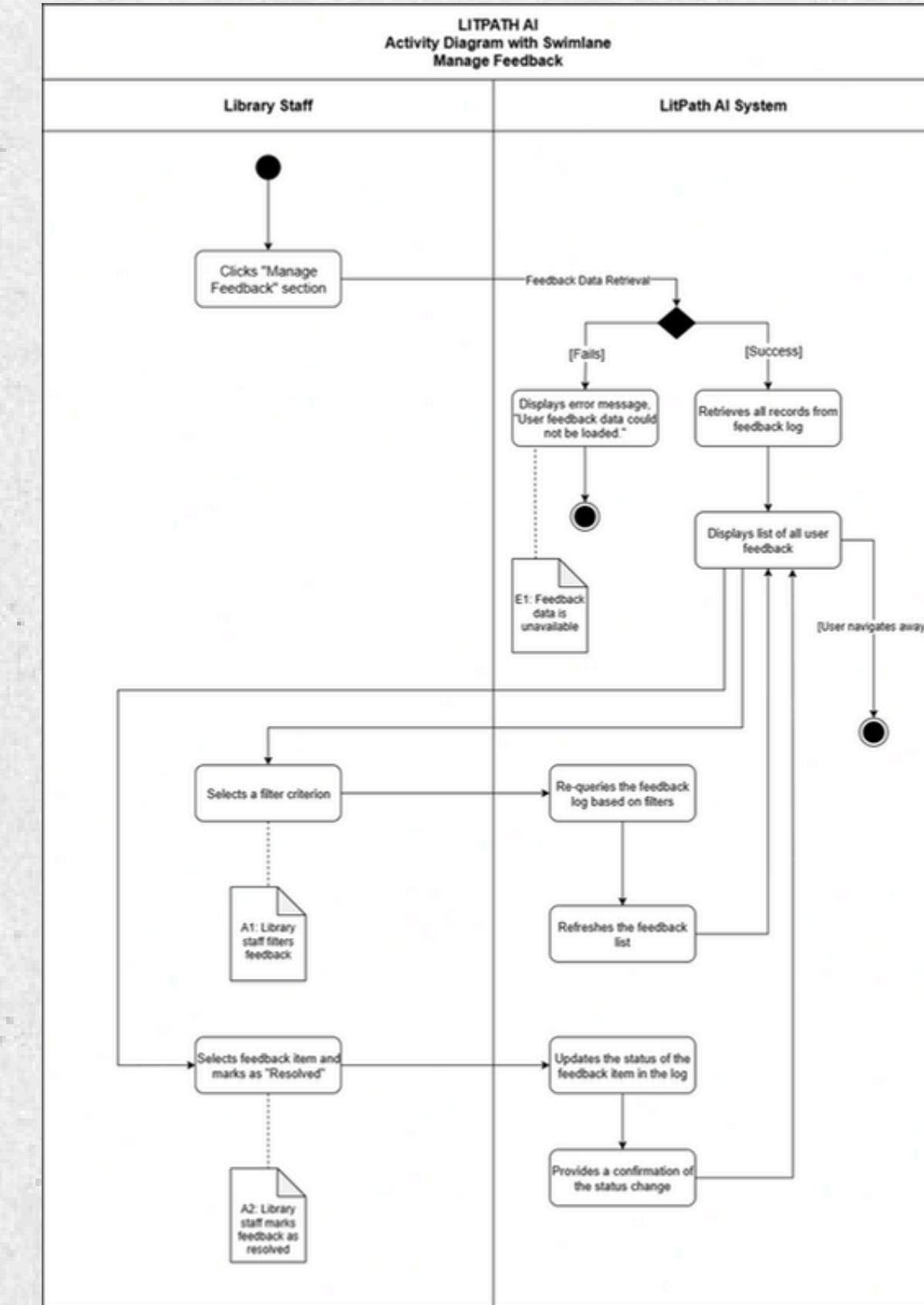
Cempron, Charijoy





# Final Analysis & Design Diagrams

## Activity Diagrams



Cempron, Charijoy





# Final Analysis & Design Diagrams

## Updated Test Cases

Project Name	LaPath AI
Description	A user enters a query, and the AI returns the top 10 ranked results from the library with a generated overview.
Test Objective	To verify the system accepts queries and returns 10 relevant results and an accurate AI overview in a timely manner.
Created By	Tracie Tomon
Reviewed By	Jenine Elaine Dulay
Test Case Version	v1.0
Test Execution Date	25-Oct-25

Test Case ID	Use Case ID	Test Case Name	Test Description	Test Steps	Test Data	Expected Results	Actual Results	Execution Status	Comments
STD-TC01	UC-01	Verify a valid query returns ranked results and an AI overview	Verify the system successfully processes a valid research question and displays the ranked results and AI overview.	1. Access the "LaPath AI" search page. 2. Enter the research question into the search bar. 3. Click the search button. 4. Wait for the search results page to load.	Query: "What are the health risks of rice?"	1. System displays a ranked list of relevant documents. 2. System displays an AI-generated overview/summary based on the query.	Same as expected	Passed	
STD-TC02	UC-01	Verify results are displayed when a document has incomplete metadata	Verify the system handles and displays the results even if a retrieved document has incomplete data (which could cause later failure in UC-04, One Thesis/Dissertation).	1. Access the "LaPath AI" search page. 2. Enter the research question into the search bar. 3. Click the search button. 4. Wait for the search results page to load.	Query: "Characterization of Roseate Raspberry (Rubus rosifolius Sm.) in its Native Habitat and its Acclimation Under Low Elevation" Data Constraint: One of the thesis/dissertation has missing metadata (e.g., missing Author or Abstract).	1. System successfully displays the ranked list of 10 documents and the AI overview. 2. The incomplete document is visible in the list.	Same as expected	Passed	
STD-TC03	UC-01	Verify an error message is displayed when no results are found	Verify the system displays a user-friendly message when the search returns zero matching theses/dissertations from the library (E1), and provides helpful alternative results.	1. Access the "LaPath AI" search page. 2. Enter a research question that is known to have zero matching theses/dissertation in the DOST-OPAC STI Library. 3. Click the search button.	Query: "What are the effects of fast fashion?"	1. System displays a message indicating no relevant theses/dissertations were found in the DOST-OPAC library. 2. System provides suggested, similar topics with sources from the AI analysis.	Same as expected	Passed	
STD-TC04	UC-01	Verify system handles an error from the Gemini AI service	Verify the system displays an appropriate error when the Gemini AI 2.0 Flash service fails or times out (E2).	1. Access the "LaPath AI" search page. 2. Enter a valid research question into the search bar. 3. Click the search button. 4. The connection to Gemini AI fails at step 5 or 6 of the Basic Flow.	Query: "What is vaccine Immunization?"	1. System detects the error. 2. System displays an error message, such as "[Gemini error]pdfIT". 3. Use case ends.	Same as expected	Passed	

Dulay, Jenine Elaine





# Final Analysis & Design Diagrams

## Updated Test Cases

Project Name	LitPath AI
Description	A user selects a search result to view its detailed metadata and abstract.
Test Objective	To confirm that selecting a result displays its full metadata and abstract, and that the full-text is inaccessible.
Created By	Tracie Tomon
Reviewed By	Jenine Elaine Dulay
Test Case Version	v1.0
Test Execution Date	9-Oct-23

Test Case ID	Use Case ID	Test Case Name	Test Description	Test Steps	Test Data	Expected Results	Actual Results	Execution Status	Comments
VTD-T001	UC-02	Verify a user can view a thesis/dissertation's full abstract and metadata	Verify the system fulfills UC-03 by displaying the full detailed information for a selected thesis/dissertation.	1. Complete UC-01 to generate search results. 2. Click on the "More details and request options". 3. Wait for the details page to load.	Selected thesis/dissertation: "Setting Localized Conservation Priorities of the Useful Plant Species of the Alangan Mangyan of Mt. Ilong, Halcon Range, Mindoro Island, Philippines"	1. System displays the document's details, including title, degree, author, publication year, subject/s, abstract, and library location. 2. Viewing activity is logged for analytics.	Same as expected	Passed	
VTD-T002	UC-02	Verify "Abstract not available." is shown when a document's details are unavailable	Verify the system displays "Abstract not available." if it fails to retrieve the detailed record for the selected document (F1).	1. Complete UC-01 to generate search results. 2. Click on the title of a thesis/dissertation. 3. The system fails to retrieve the detailed record at step 2 of the Basic Flow.	Selected thesis/dissertation: "Characterization of Roseleaf Raspberry (Rubus rosifolius Sm.) in Its Native Habitat and Its Acclimation Under Low Elevation"	1. System displays an error message, such as "Abstract not available.". 2. Use case ends.	Same as expected	Passed	

Dulay, Jenine Elaine





# Final Analysis & Design Diagrams

## Updated Test Cases

Project Name	LePath AI
Description	The core AI process of interpreting a query, ranking results, and generating a summary.
Test Objective	To verify the AI-generated summary is relevant, coherent, and accurately reflects the top-ranked documents.
Created By	Tracie Tomon
Reviewed By	Charmoy Compron
Test Case Version	v1.0
Test Execution Date	9-Oct-25

Test Case ID	User Case ID	Test Case Name	Test Description	Test Steps	Test Data	Expected Results	Actual Results	Execution Status	Comments
AI-TC001	UC-10	Verify successful ranking and summary generation (Basic flow)	Verify the AI engine successfully processes the document data and user query, returning a ranked list and summary to UC-01.	1. (Precondition) UC-01 sends a valid query and a collection of relevant document data (e.g., 20+ records) to UC-10. 2. System waits for the AI analysis process to complete.	Query: "what are nice related health risks?" Document Data: 22 relevant document records (metadata and abstracts).	1. The system receives a ranked list of the top 10 documents. 2. The system receives a concise summary overview based on the top 5 results. 3. UC-10 returns the analysis to UC-01.	Same as expected	Passed	
AI-TC002	UC-10	Ensure summary is based only on the top documents	Verify that the AI-generated summary reflects the content of only the top-ranked documents (e.g., top 5) and does not include irrelevant information.	1. (Precondition) UC-01 sends a query and document data to UC-10. 2. System reviews the generated summary.	Query: "Mt. Makiling" Document Data: 4 highly relevant documents and 113 irrelevant documents.	1. The generated summary only synthesizes findings from the highly relevant documents (top 4). 2. The summary does not mention concepts or keywords found only in the irrelevant documents.	Same as expected	Passed	
AI-TC003	UC-10	Verify system handles AI returning an empty/invalid result (E2)	Verify the system detects when the AI engine processes data but returns an empty or otherwise invalid result.	1. (Precondition) UC-01 sends a valid query and document data to UC-10. 2. (Simulate) AI engine processes the data but returns an empty list and null summary at step 0.	Query: "who is jenine dulay" Data Constraint: AI processes data but returns a no result.	1. System detects the empty result. 2. UC-10 returns an error to UC-01, which displays a "No results found" message to the user.	Same as expected	Passed	
AI-TC004	UC-10	Boundary Test: Valid query with minimal documents	Verify the AI engine can still generate a coherent analysis when the input document set is minimal (e.g., less than 5).	1. (Precondition) UC-01 sends a valid query and a minimal set of document data to UC-10. 2. System waits for the AI analysis process to complete.	Query: "Starbucks" Document Data: Only 3 highly relevant document records.	1. The system receives a ranked list of the 3 documents. 2. The system receives a coherent summary overview based only on the 3 available documents. 3. UC-10 returns the analysis to UC-01.	Same as expected	Passed	

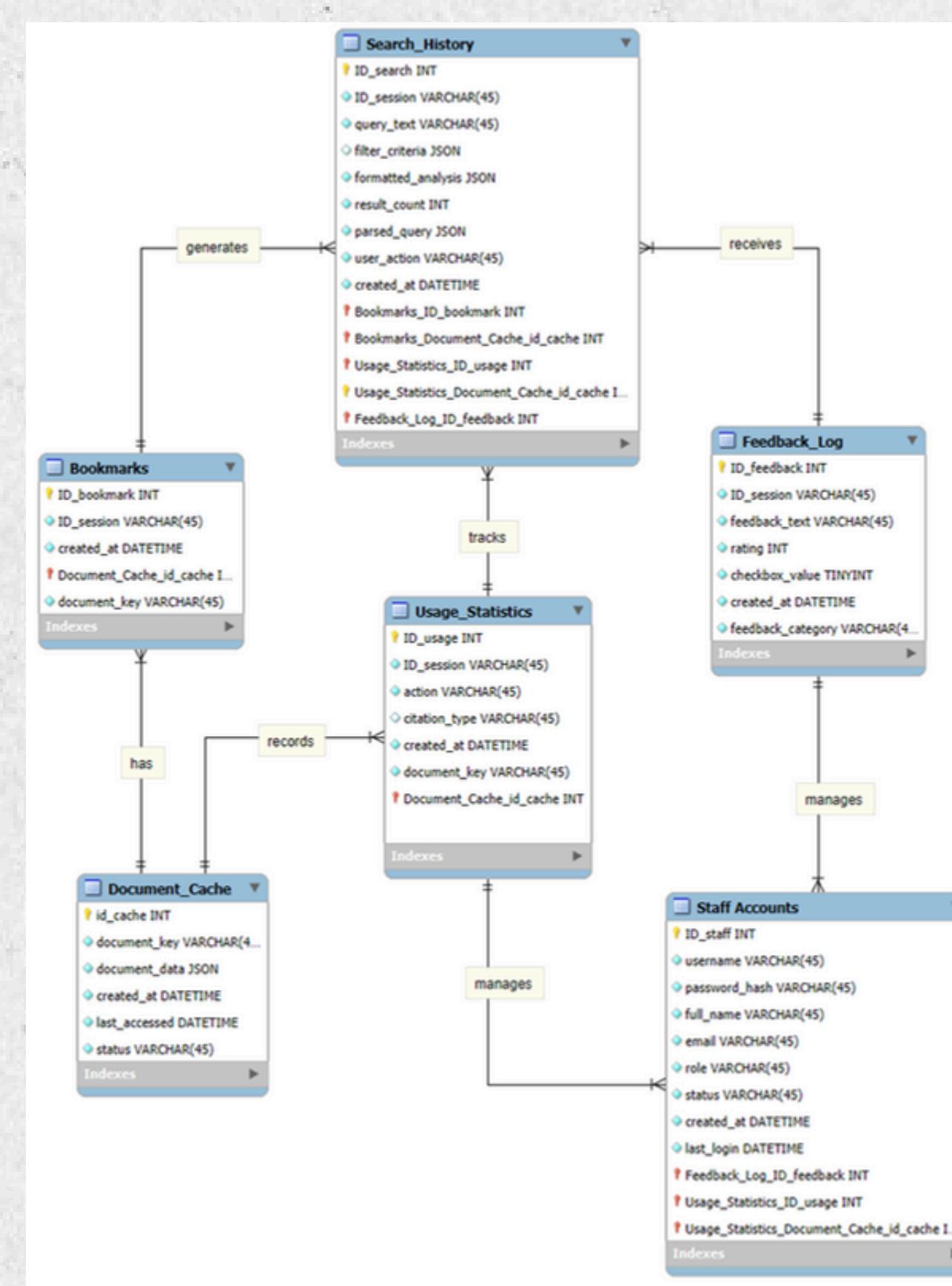


Dulay, Jenine Elaine



# Final Analysis & Design Diagrams

## Entity Relationship Diagram



Cempron, Charijoy



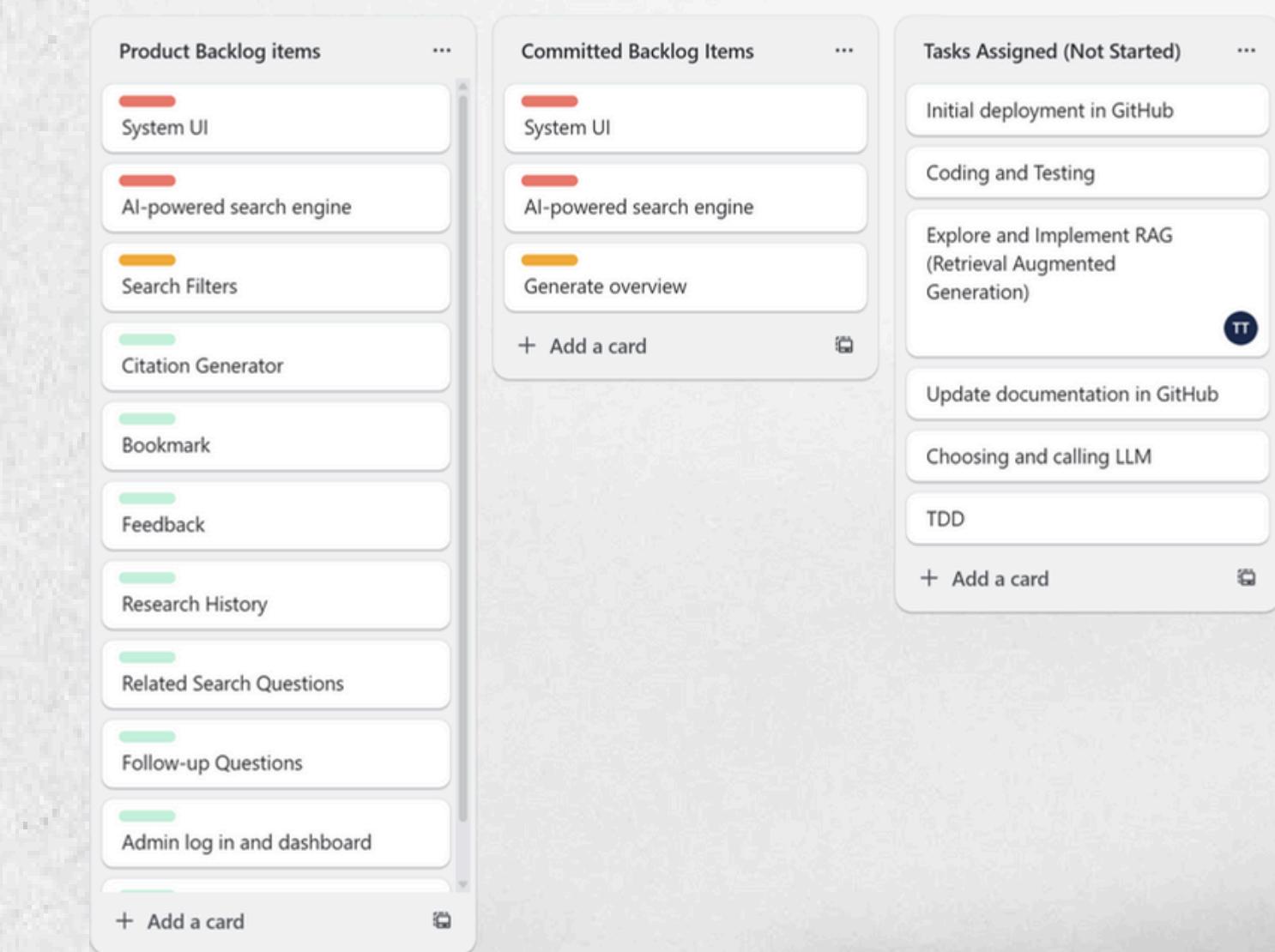
# Agile Scrum Sprint Ceremonies

## Sprint :1 Sprint Planning Meeting Output

### *The Sprint Goal:*

Start developing the AI-powered search engine based on the committed backlogs for Sprint 1.

### *The Sprint Backlog:*



*Concepcion, Marielle Kloie*



# Agile Scrum Sprint Ceremonies

## Sprint 1: Daily Standup Meeting Outputs

AY 2025-2026 T1 Sprint 01 Daily Scrum Meeting				
Sprint 01 Daily Scrum Meeting reports				
SUBJECT	AUTHOR	CREATED ON	REPLIES	LAST MESSAGE
<a href="#">QD Sprint 1 Week 1 Day 01 Daily Scrum Meeting Individual Updated Report</a>	Tracie Tomon	09/18/2025 01:38 PM	4	Added by Marielle Kloie Concepcion 20 days ago RE: Sprint 1 Week 1 Day 01 Daily Scrum Meeting Individual...
<a href="#">QD Sprint 1 Week 1 Day 02 Daily Scrum Meeting Individual Updated Report</a>	Tracie Tomon	09/18/2025 02:04 PM	4	Added by Marielle Kloie Concepcion 19 days ago RE: Sprint 1 Week 1 Day 02 Daily Scrum Meeting Individual...
<a href="#">QD Sprint 1 Week 1 Day 03 Daily Scrum Meeting Individual Updated Report</a>	Tracie Tomon	09/19/2025 12:33 PM	4	Added by Jenine Daine Dulay 18 days ago RE: Sprint 1 Week 1 Day 03 Daily Scrum Meeting Individual...
<a href="#">QD Sprint 1 Week 2 Day 01 Daily Scrum Meeting Individual Updated Report</a>	Tracie Tomon	09/23/2025 12:59 PM	3	Added by Jenine Daine Dulay 8 days ago RE: Sprint 1 Week 2 Day 01 Daily Scrum Meeting Individual...
<a href="#">QD Sprint 1 Week 2 Day 02 Daily Scrum Meeting Individual Updated Report</a>	Tracie Tomon	09/23/2025 10:00 AM	3	Added by Jenine Daine Dulay 8 days ago RE: Sprint 1 Week 2 Day 02 Daily Scrum Meeting Individual...
<a href="#">QD Sprint 1 Week 2 Day 03 Daily Scrum Meeting Individual Updated Report</a>	Tracie Tomon	09/23/2025 10:02 AM	3	Added by Jenine Daine Dulay 8 days ago RE: Sprint 1 Week 2 Day 03 Daily Scrum Meeting Individual...
<a href="#">QD Sprint 1 Week 2 Day 04 Daily Scrum Meeting Individual Updated Report</a>	Tracie Tomon	09/26/2025 10:14 AM	3	Added by Jenine Daine Dulay 8 days ago RE: Sprint 1 Week 2 Day 04 Daily Scrum Meeting Individual...
<a href="#">QD Sprint 1 Week 3 Day 01 Daily Scrum Meeting Individual Updated Report</a>	Tracie Tomon	10/07/2025 12:44 PM	1	Added by Tracie Tomon 1 day ago RE: Sprint 1 Week 3 Day 01 Daily Scrum Meeting Individual...
<a href="#">QD Sprint 1 Week 3 Day 02 Daily Scrum Meeting Individual Updated Report</a>	Tracie Tomon	10/08/2025 10:40 AM	1	Added by Tracie Tomon about 9 hours ago RE: Sprint 1 Week 3 Day 02 Daily Scrum Meeting Individual...
<a href="#">QD Sprint 1 Week 3 Day 03 Daily Scrum Meeting Individual Updated Report</a>	Tracie Tomon	10/09/2025 12:43 PM	1	Added by Tracie Tomon about 3 hours ago

## Progress & Momentum

- Made steady progress every day
- Strong communication kept everyone in sync
- Broke down big goals into small, clear steps
- Good teamwork helped us get work done faster
- On track to meet our deadline
- Shared frequent updates with the client



Concepcion, Marielle Kloie



# Agile Scrum Sprint Ceremonies

## Sprint 1: Backlog Refinement Meeting Output

0.10 Alpha		0
1882	Epic: 3.1 Epics	In progr...
1907	Feature: 3.1.5.1.1 Feature 01: Log in	New
1906	User story: 3.1.5.1 User Story 01: As a Library Staff I want to be able securely manage my admin account with login so that I can...	New
1890	Epic: 3.1.5 Epic 05 Log in to account	New
1904	Feature: 3.1.4.1.1 Feature 01: Research history	New
1903	User story: 3.1.4.1 User Story 01: As a Student/Researcher I want to be able to view my research history and resume previous se...	New
1889	Epic: 3.1.4 Epic 04 View search history	In progr...
1901	Feature: 3.1.3.1.1 Feature 01: Feedback system	New
1900	User story: 3.1.3.1 User Story 01: As a Student/Researcher I want to be able to provide feedback by rating AI responses (1-5 star...	New
1885	Epic: 3.1.1 Epic 01 Prompt research questions	Tested
1888	Epic: 3.1.3 Epic 03 Provide feedback	In progr...
1897	Feature: 3.1.2.1.1 Feature 01: Information Display	In testing
1896	User story: 3.1.2.1 User Story 01: As a Student/Researcher I want to be able to view comprehensive details of selected thesis/dis...	In testing
1886	Epic: 3.1.2 Epic 02 View thesis details	In testing
1893	Feature: 3.1.1.1.1 Feature 01 System UI	Closed
1892	User story: 3.1.1.1 User Story 01 As a Student/Researcher I want to be able to prompt research questions and receive AI-power...	Tested
2748	Epic: 3.1.6 Epic 06 Manage usage analytics	New
2742	User story: 3.1.1.2 User Story 02 As a Student/Researcher I want to be able to filter search results by discipline and publication ...	In progr...
2743	Feature: 3.1.1.2.1 Feature 01 Search filters	In progr...
2744	User story: 3.1.2.2 User Story 02 As a Student/Researcher I want to be able to bookmark theses/dissertations for future referenc...	New
2746	Feature: 3.1.2.2.1 Feature 01 Bookmark system	New
2745	User story: 3.1.2.3 User Story 03 As a Student/Researcher I want to be able to generate and copy citations in various formats (A...	In progr...
2747	Feature: 3.1.2.3.1 Feature 01 Citation generator	New
2752	User story: 3.1.6.1 User Story 01 As a Library Staff I want to be able to view comprehensive usage analytics including most searc...	New
2759	Feature: 3.1.6.1.1 Feature 01 Usage analytics dashboard	New
2749	Epic: 3.1.7 Epic 07 Manage feedback	New
2753	User story: 3.1.7.1 User Story 01 As a Library Staff I want to be able to view and analyze user feedback and ratings so that I can ...	New
2758	Feature: 3.1.7.1.1 Feature 01 Feedback dashboard	New
2750	Epic: 3.1.8 Epic 08 Generate AI analysis	Closed
2754	User story: 3.1.8.1 As an AI System I want to be able to help students find relevant research so that I can accelerate their learnin...	Closed
2757	Feature: 3.1.8.1.1 Feature 01 AI-powered search engine	Closed
2751	Epic: 3.1.9 Epic 09 Exposes data (read only)	New
2755	User story: 3.1.9.1 As an External System I want to be able to provide database access (read-only) so that users can get up-to-d...	New
2756	Feature: 3.1.9.1.1 Feature 01 Database connection	New

Refined Backlogs

Concepcion, Marielle Kloie





# Agile Scrum Sprint Ceremonies

## Sprint 1: Sprint Review Meeting Output

- Committed Backlog Items

OpenProject Search in OpenProject

OpenProject / APC\_2025\_2026\_T1\_MI231\_G07 HecTech LitPath AI / Boards / Public: AY 2025-2026 T1 Sprint 01

AY 2025-2026 T1 Sprint 01

Committed Backlog Items	Tasks Assigned (Not Started)	In Progress	For Review/Testing	Reviewed/Tested
+ +	+ +	+ +	+ +	+ +
<b>In progress</b> #890 - APC_2025_2026_TASK 2.3.3 Entity Relationship Diagrams	<b>In progress</b> #1001 - APC_2025_2026_EPIC 3.1.1 Epic 01 Prompt research questions	<b>In progress</b> #1002 - APC_2025_2026_USER STORY 3.1.1.1 User Story 01 As a Student/Researcher I want to be able to prompt research questions and receive AI-powered ranked results so that I can easily find appropriate research	<b>In progress</b> #2775 - APC_2025_2026_TASK 3.1.8.1.1.6 Task 06 TDD	<b>Closed</b> #2770 - APC_2025_2026_TASK 3.1.8.1.1.1 Task 01 Coding and testing

- Done

Done

+
<b>Closed</b> #2774 - APC_2025_2026_TASK 3.1.8.1.1.5 Task 05 Choosing and calling LLM
<b>Closed</b> #2773 - APC_2025_2026_TASK 3.1.8.1.1.4 Task 04 Explore and implement RAG (Retrieval Augmented Generation)
<b>Closed</b> #2772 - APC_2025_2026_TASK 3.1.8.1.1.3 Task 03 Update documentation in GitHub
<b>Closed</b> #1893 - APC_2025_2026_FEATURE 3.1.1.1 Feature 01 System UI
<b>Closed</b> #2757 - APC_2025_2026_FEATURE 3.1.8.1.1 Feature 01 AI-powered search engine
<b>Closed</b> #2771 - APC_2025_2026_TASK 3.1.8.1.1.2 Task 02 Initial deployment in GitHub
<b>Closed</b> #2754 - APC_2025_2026_USER STORY 3.1.8.1 As an AI System I want to be able to help students find relevant research so that I can accelerate their learning process and improve the quality of their academic work.
<b>Closed</b> #2750 - APC_2025_2026_EPIC 3.1.8 Epic 08 Generate AI analysis

Dulay, Jenine Elaine





# Agile Scrum Sprint Ceremonies

## Sprint 1: Sprint Retrospective Meeting Output

The board is organized into six columns representing different perspectives:

- PRIORITIES:**
  - The clients not preparing ahead of time what our system needs or what they promised to give us.
  - Got positive feedback from one of our consultants on the updates of the system we delivered last meeting.
  - Contradicting opinions of consultants on diagrams.
  - The suspensions delayed our progress like consultation meetings which delayed our revisions on our diagrams.
- COLLABORATION:**
  - Not doing what was assigned to that person and have to cover for her to finish the task.
  - A misunderstanding between team members created a tense atmosphere which impacted our collaboration.
  - I'm glad that we have good progress on our committed backlog.
- CLIENT:**
  - The clients were delaying our progress because of unclear requirements.
- SYSTEM:**
  - Stucked with processes that takes too long like downloading an file.
  - OpenProject kept crashing. It blocked me from updating my assigned tasks and sending necessary messages, which wasted our time.
  - Frustrated with failing to capture metadata multiple times on scanned images.
  - My lack of knowledge with our second choice on the frontend framework which was Streamlit.
  - I'm glad that Charijoy was able to make the backend work and that motivated me to work on the frontend.
  - I was able to connect the frontend with the backend.
  - I'm glad I switched to React from Streamlit for frontend because it was easier to edit the UI since I'm more familiar with it.
- CONSULTANT:**
  - We keep having to do major revisions on diagrams after review. It slows us down and distracts from our sprint goals.
  - Our meeting with consultants gets delayed.
  - The cancellation of planned meetings due to suspensions and changes in schedules.
  - We have to adjust and redo requirements we had already finished, just to fit a new template.
  - We have our consultant to guide and encourage us on development.
- PERSONAL:**
  - The continuous suspensions of classes made me unmotivated to work.
  - Weekends make me lazier than usual.
  - There are too many assignments to work on that I can't decide which one to start.
  - The amount of assignments were sometimes overwhelming especially when we're already stressing about what we needed to do.
  - Completed our first mvp.
  - Glad and thankful for the dedication Chari and Jenine on the frontend and backend, twas a huge boost to our progress.
  - We only have the revisions on our documentation, and we're set for finals.
  - Thankful to our scrum master.

Sprint Retrospective board

Dulay, Jenine Elaine





# Demonstration of LitPath AI

*Dulay, Jenine Elaine*



# Individual Contributions



**Cempron, Charijoy**

## DIAGRAMS

### ERD

- Staff account entity
- Usage statistics entity

### Activity Diagrams

- Level 2 – 1.0 Search Thesis/Dissertation
- Level 2 - 6.0 Manage Usage Analytics

### WORK PACKAGES

- Corresponding assigned diagram-related work packages
- Epic 01: Prompt research questions
- Epic 01: User Story 01
- Epic 01: User Story 02

## GITHUB COMMITS

- Add multi\_thesis\_rag.py and related files for RAG
- Added prompt formatting for reference documents
- Added bm25, chromadb, and hybrid search
- Added extracting of text pdfs and metadata
- Cleaned thesis text files
- Other Metadata related commits

# Individual Contributions



## ***DIAGRAMS***

### ***ERD***

- Feedback Log entity
- Document cache entity

### ***OpenProj outputs:***

- Budgets
- Work Packages

**Concepcion, Marielle Kloie**

# Individual Contributions



**Dulay, Jenine Elaine**

## DIAGRAMS

### ERD

- Search history entity
- Bookmark entity

### Activity Diagrams

- Level 2 - 2.0 View Thesis Details
- Level 2 - 5.0 Log In to Account

## WORK PACKAGES

- Corresponding assigned diagram-related work packages
- Feature 01 Search filters
- Epic 02 View thesis details
- Epic 02: Feature 01: Information Display
- Epic 02: User Story 02

## GITHUB COMMITS

- Added and updated frontend commits
- Edited backend with HTTP server
- Installed components needed for website
- Edited thesis text files

# Individual Contributions



**Tomon, Tracie**

## **DIAGRAMS**

- Updated UCD
- Updated Fully dressed Use Cases

### ***Data Flow Diagrams***

- Level 0
- Level 1
- Level 2

### **Activity Diagrams**

- Level 2 – 3.0 Provide Feedback
- Level 2 – 4.0 View Search History
- Level 2 – 7.0 Manage Feedback

## **WORK PACKAGES**

- Corresponding assigned diagram-related work packages
- Daily Scrum Forum messages

## **GITHUB COMMITS**

- Added required Project documents
- Added Revised diagrams



# THANK YOU!

