

ATTEND EASE

Group 5 : Vector Four

Systems Analysis & Detailed Design

SSYADD1 – SS231

Mr. Jose Eugenio L. Quesada

OUR TEAM MEMBERS



Christian Luis Esguerra



Dr. Manuel Calimlim Jr.



Maria Sophea Balidio

- Designer/Researcher
- Documenter



Suzanne Marie Rosco

- Researcher/Documenter

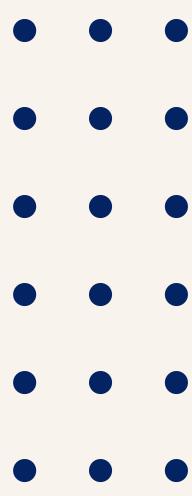
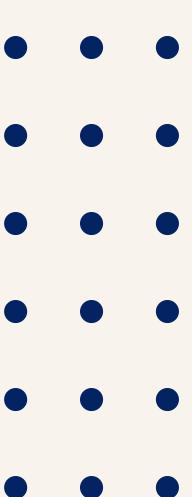


Moises James Sy

- Developer



BACKGROUND

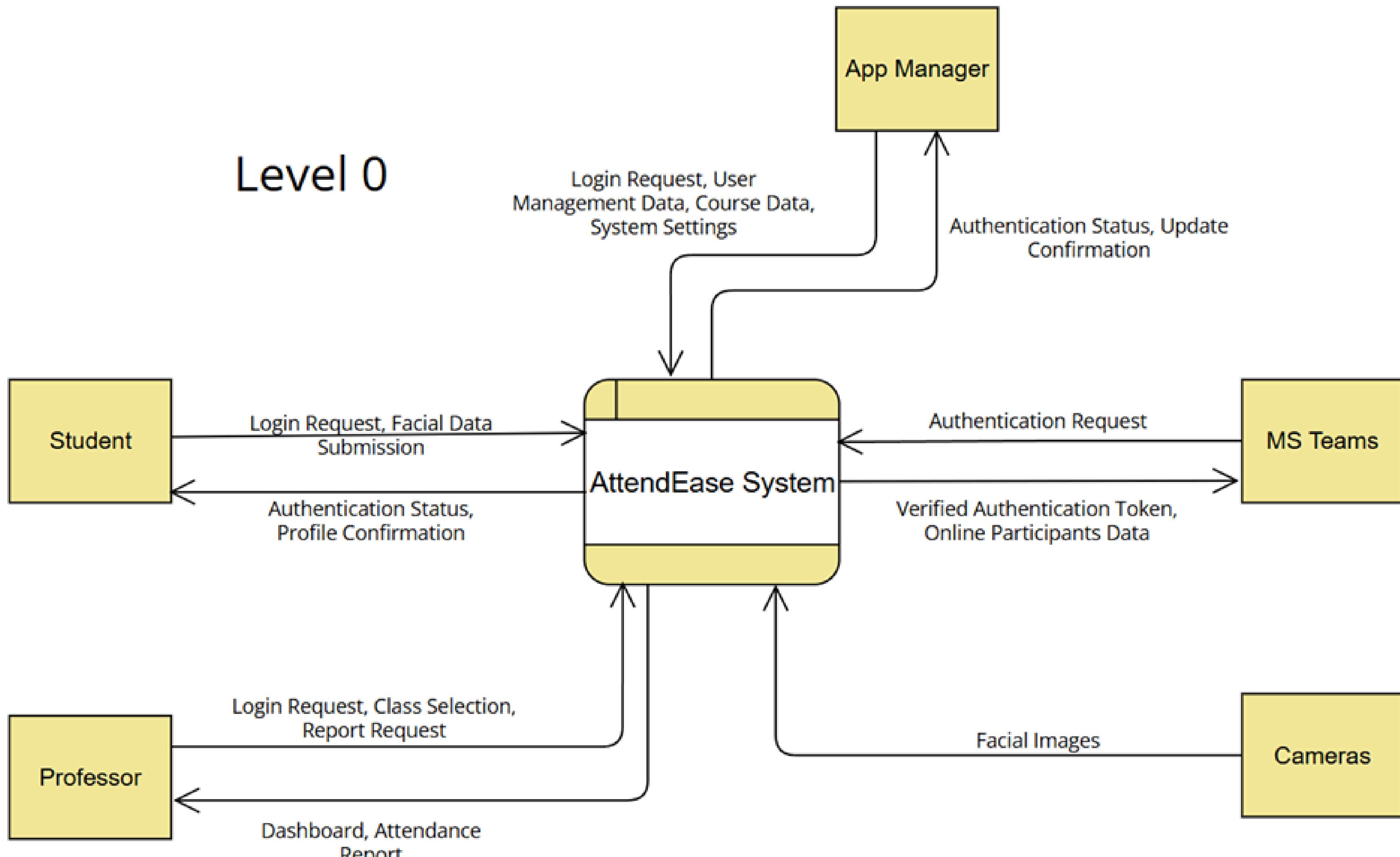
- At Asia Pacific College (APC), attendance tracking is still done manually.
 - This process is time-consuming, error-prone, and inefficient, especially for the HyFlex (hybrid-flexible) learning model.
 - The project aims to automate attendance tracking to:
 - Save time and reduce errors
 - Improve accuracy and efficiency
 - Provide better insights into student participation
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PROJECT DIAGRAMS

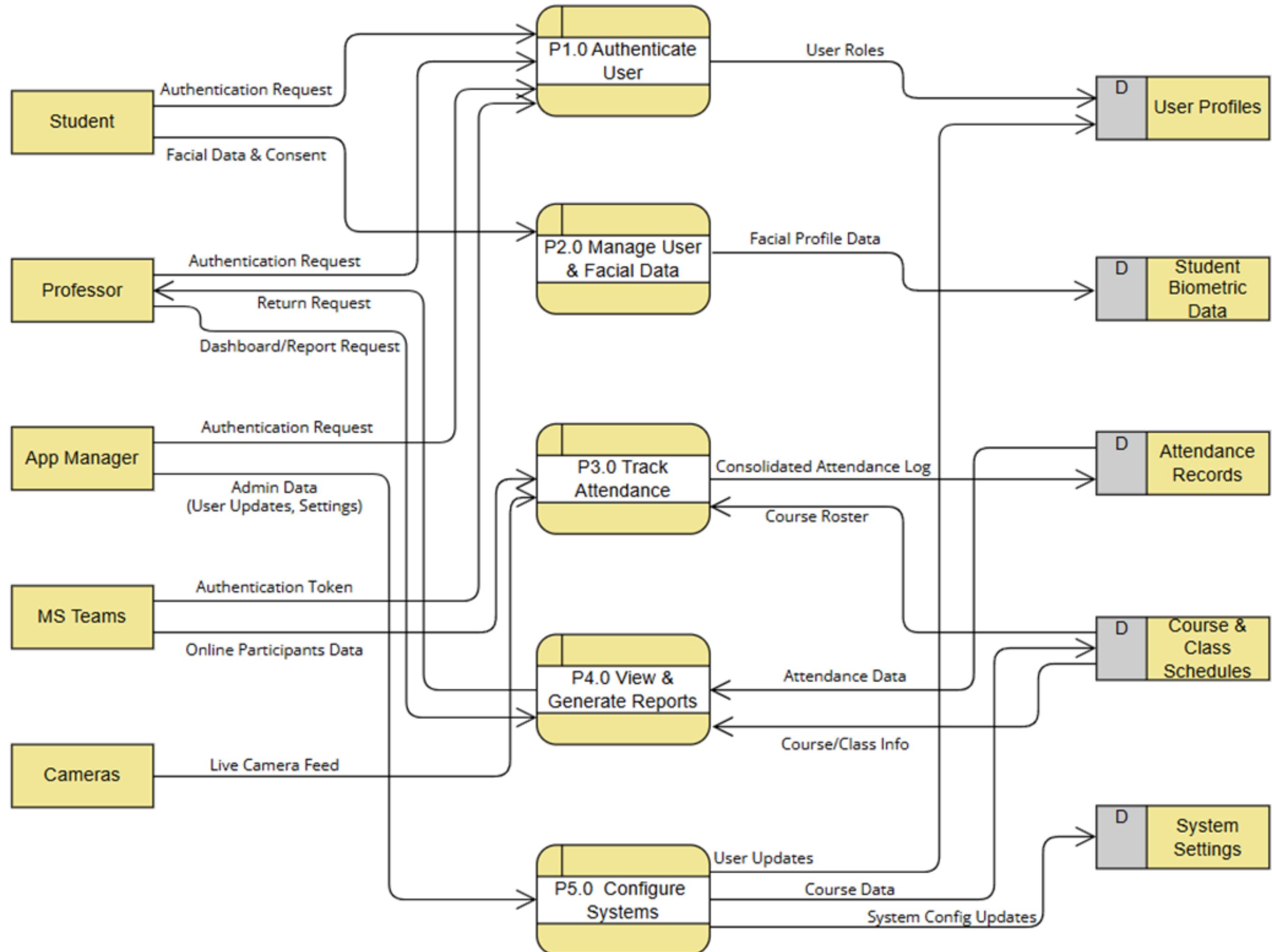
DATAFLOW DIAGRAM

LVL 0, 1, 2

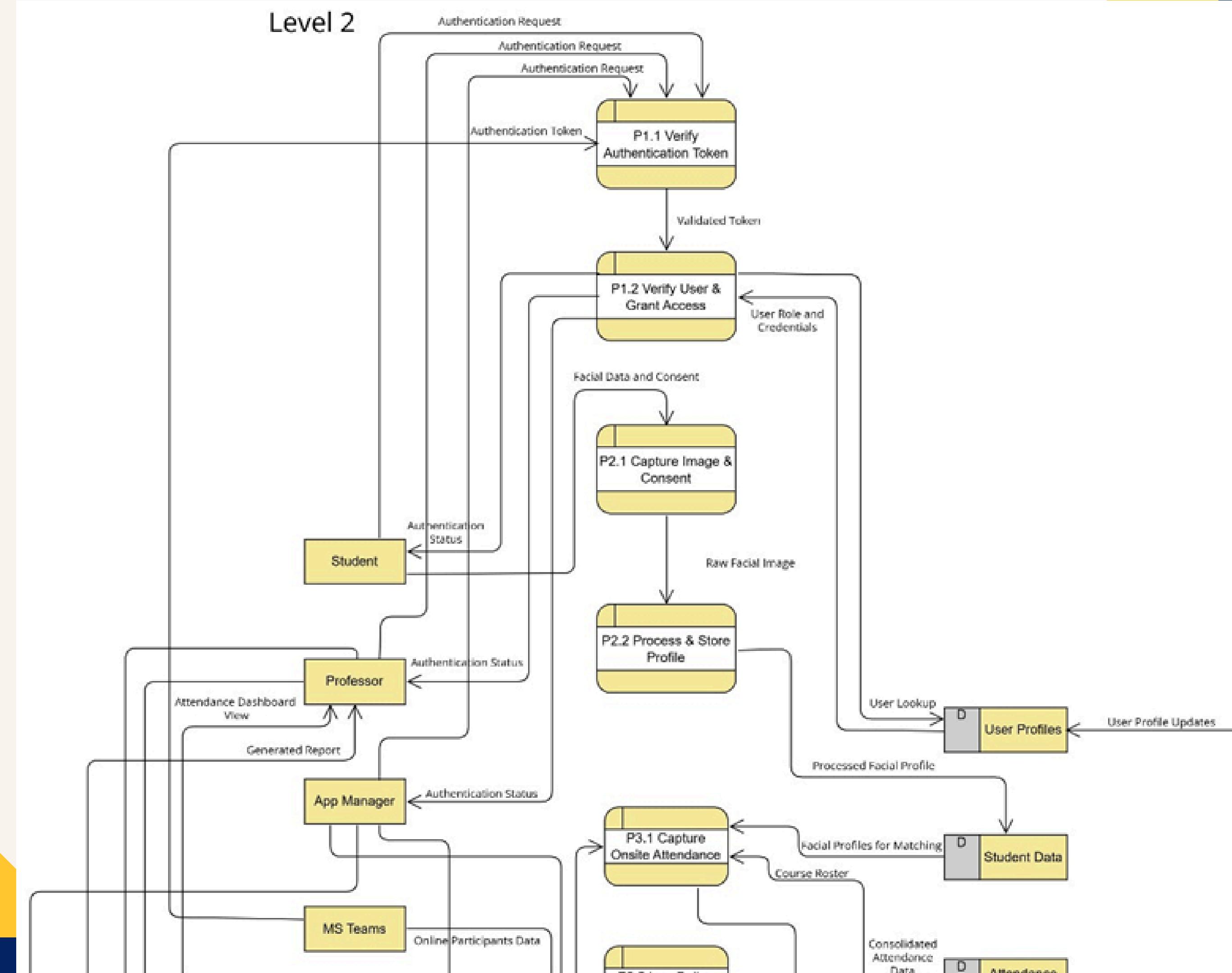
Level 0

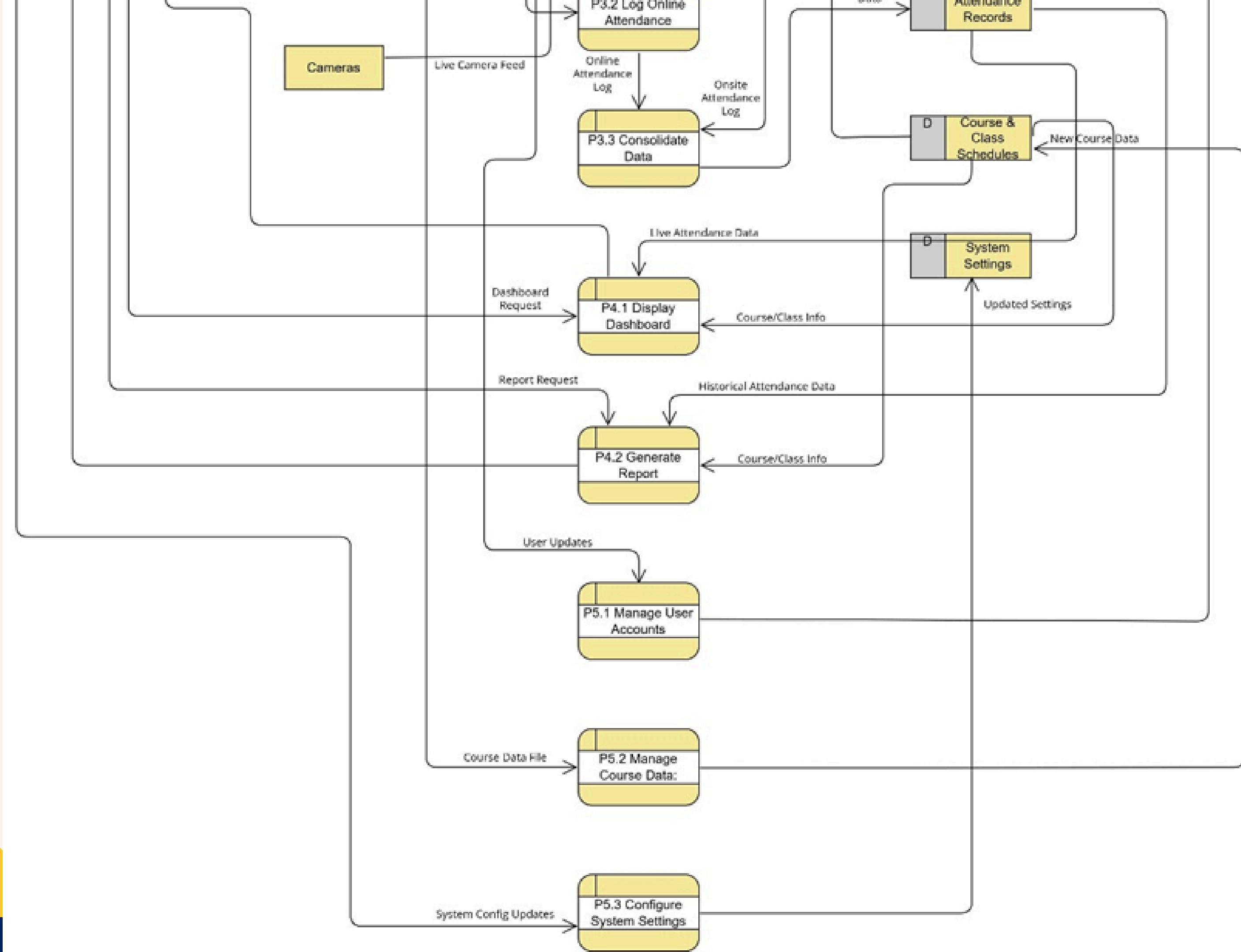


Level 1



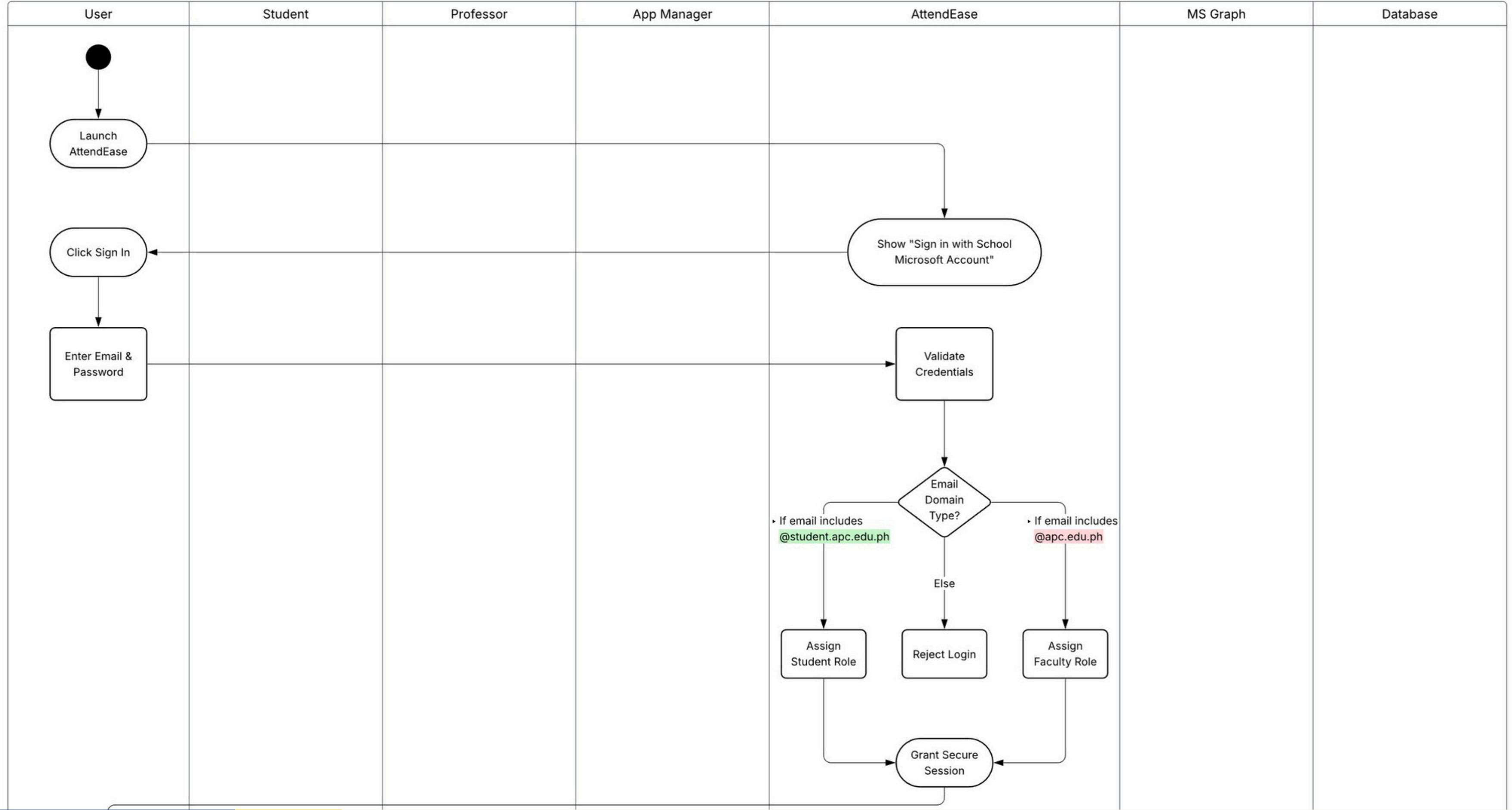
Level 2

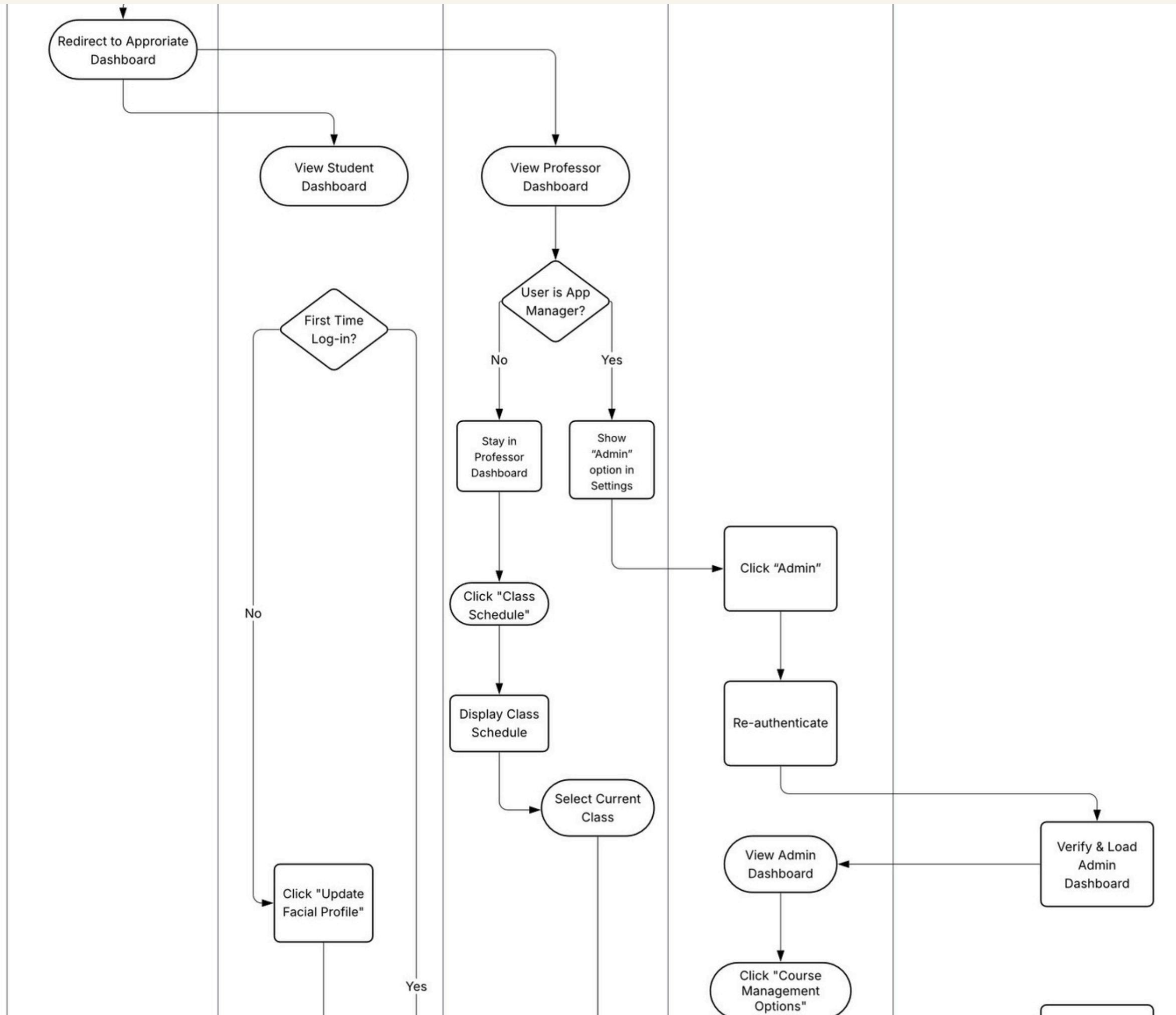


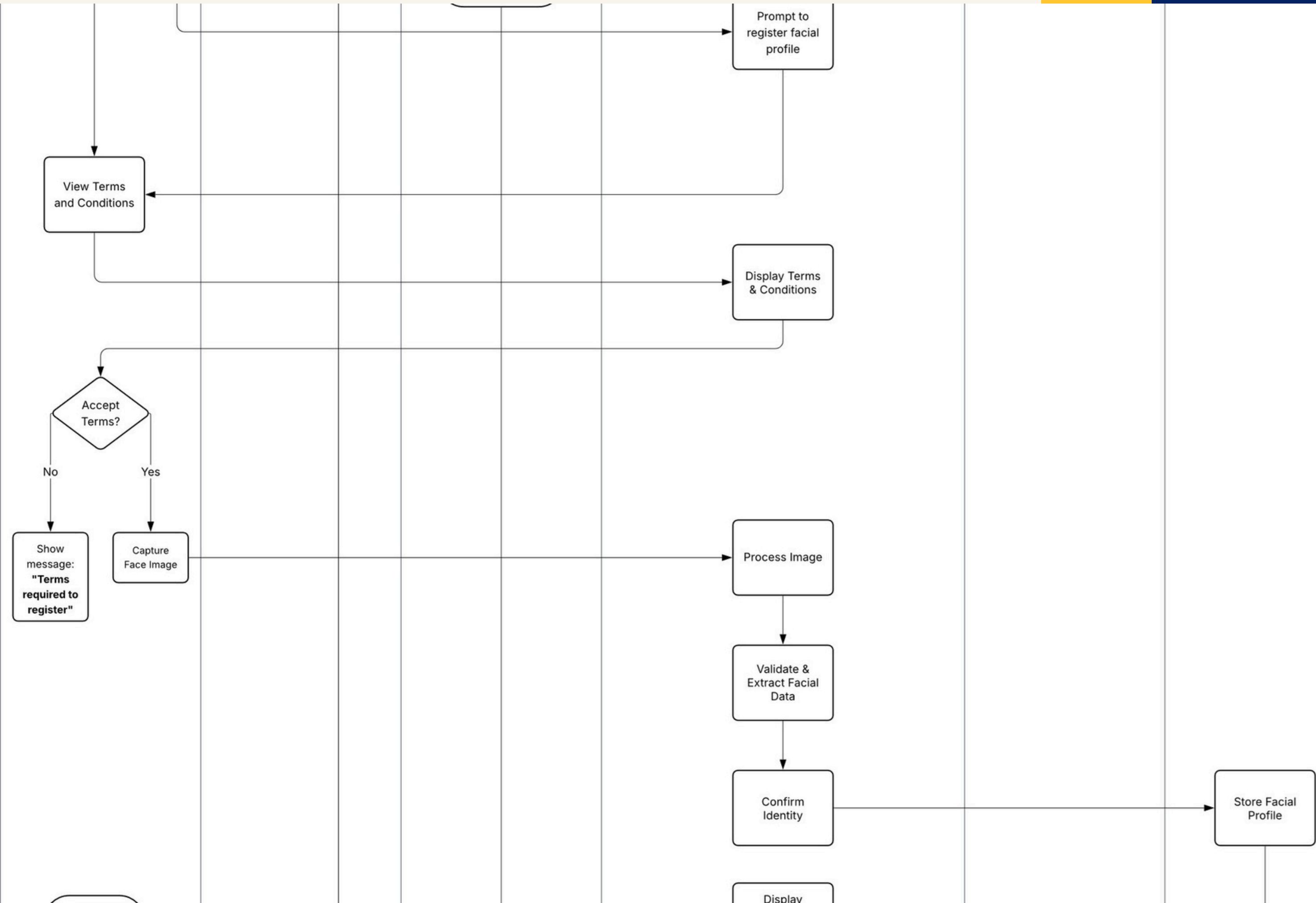


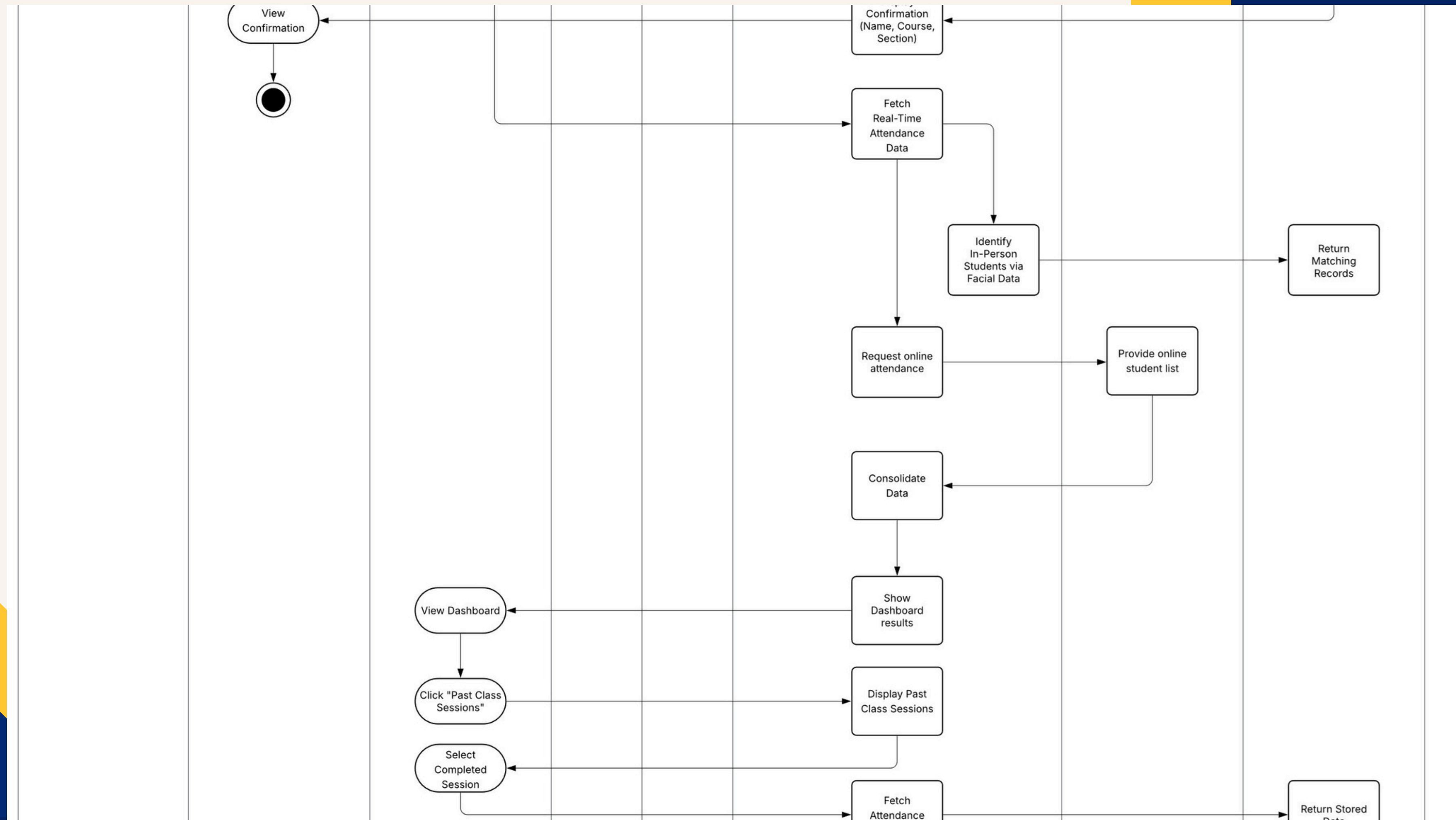
ACTIVITY DIAGRAM

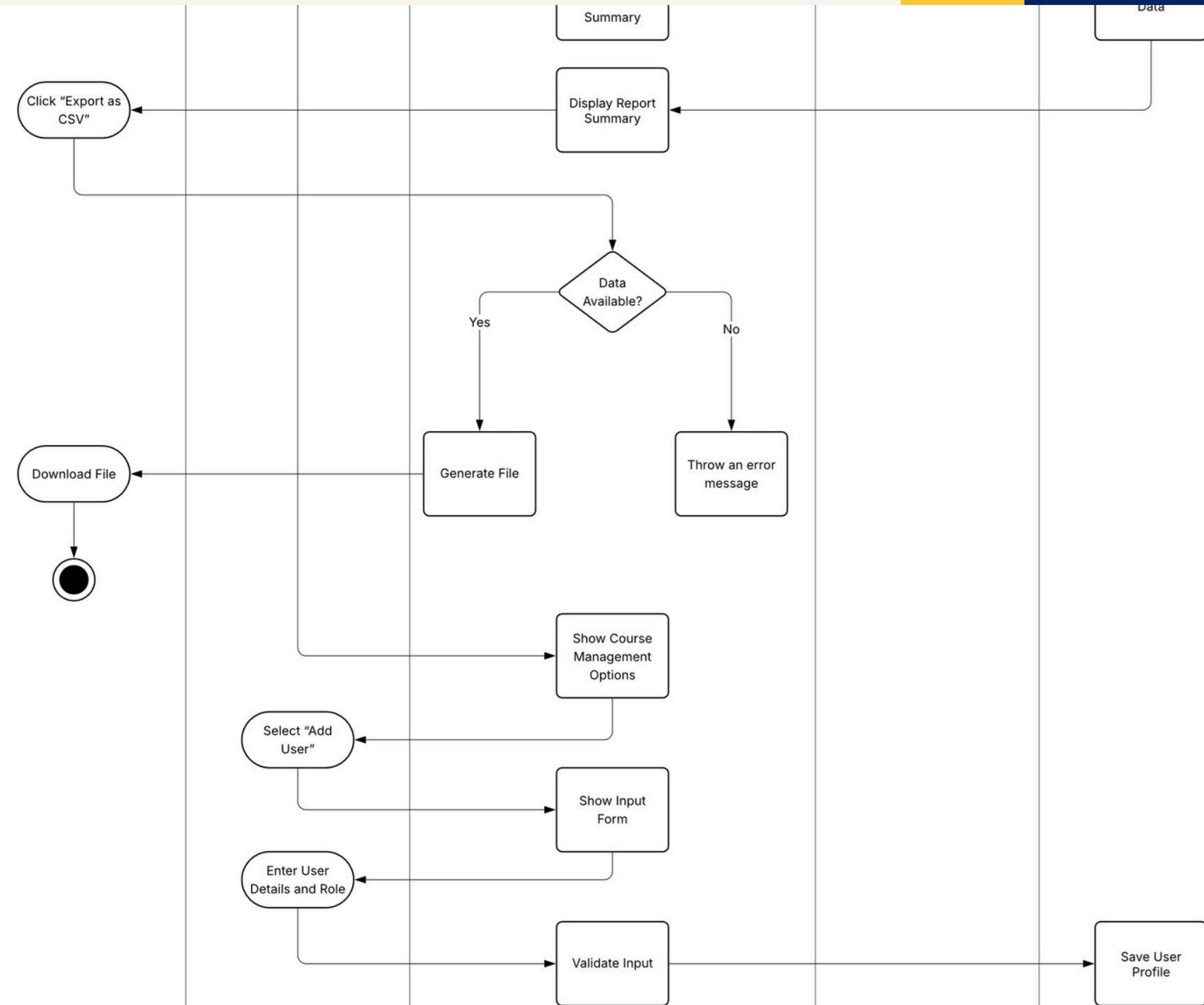
SWIM LANES

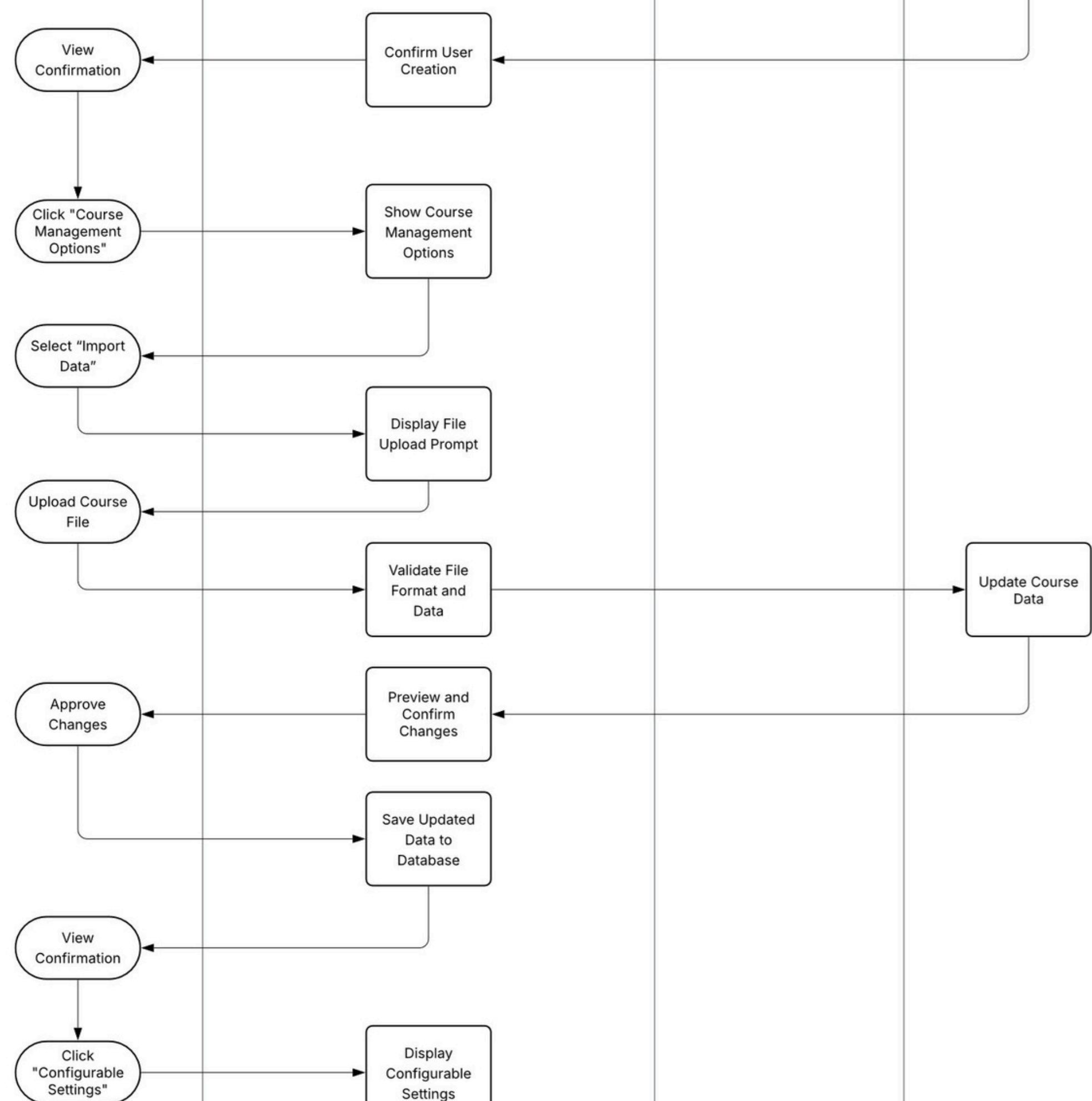


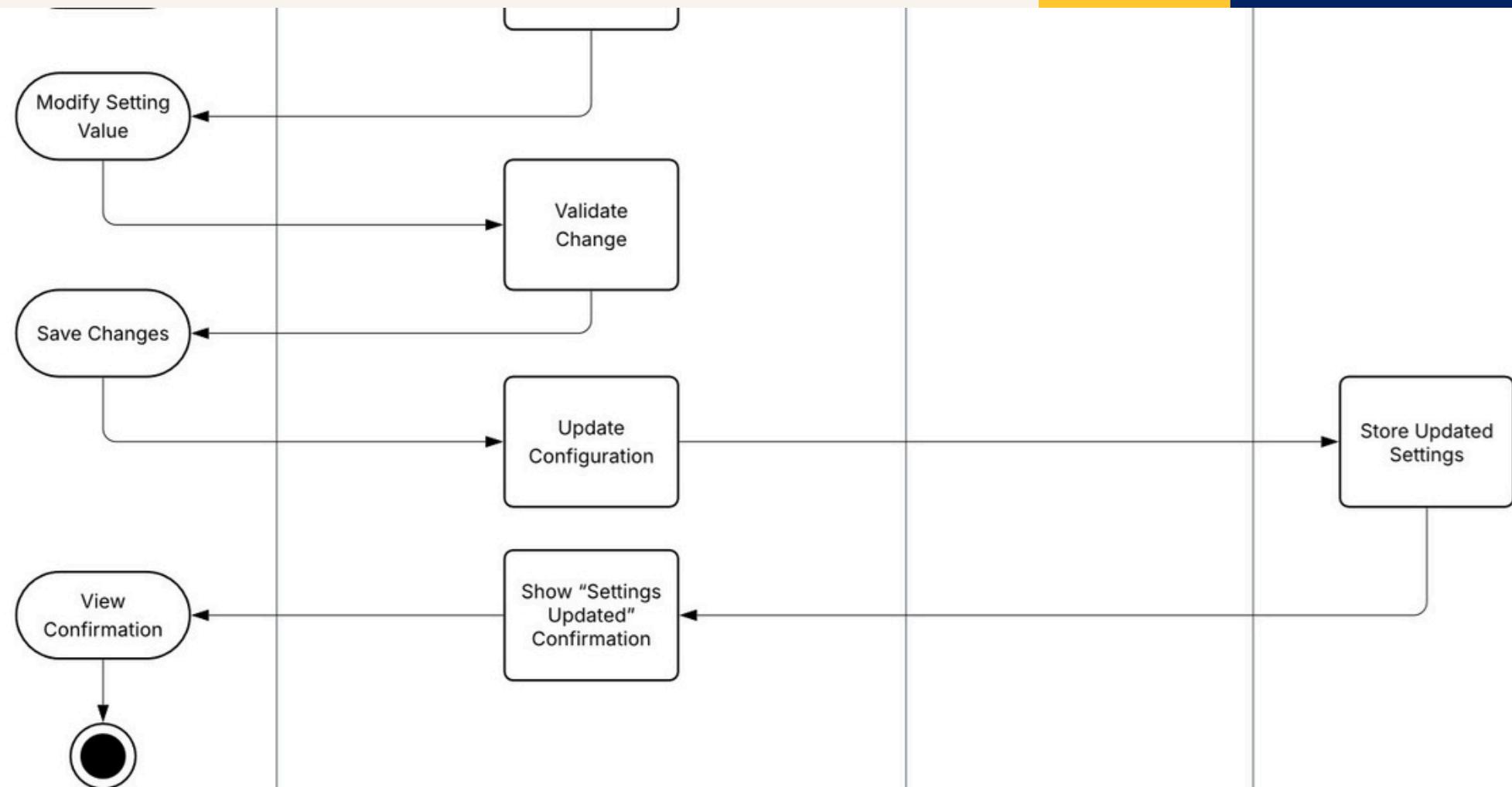












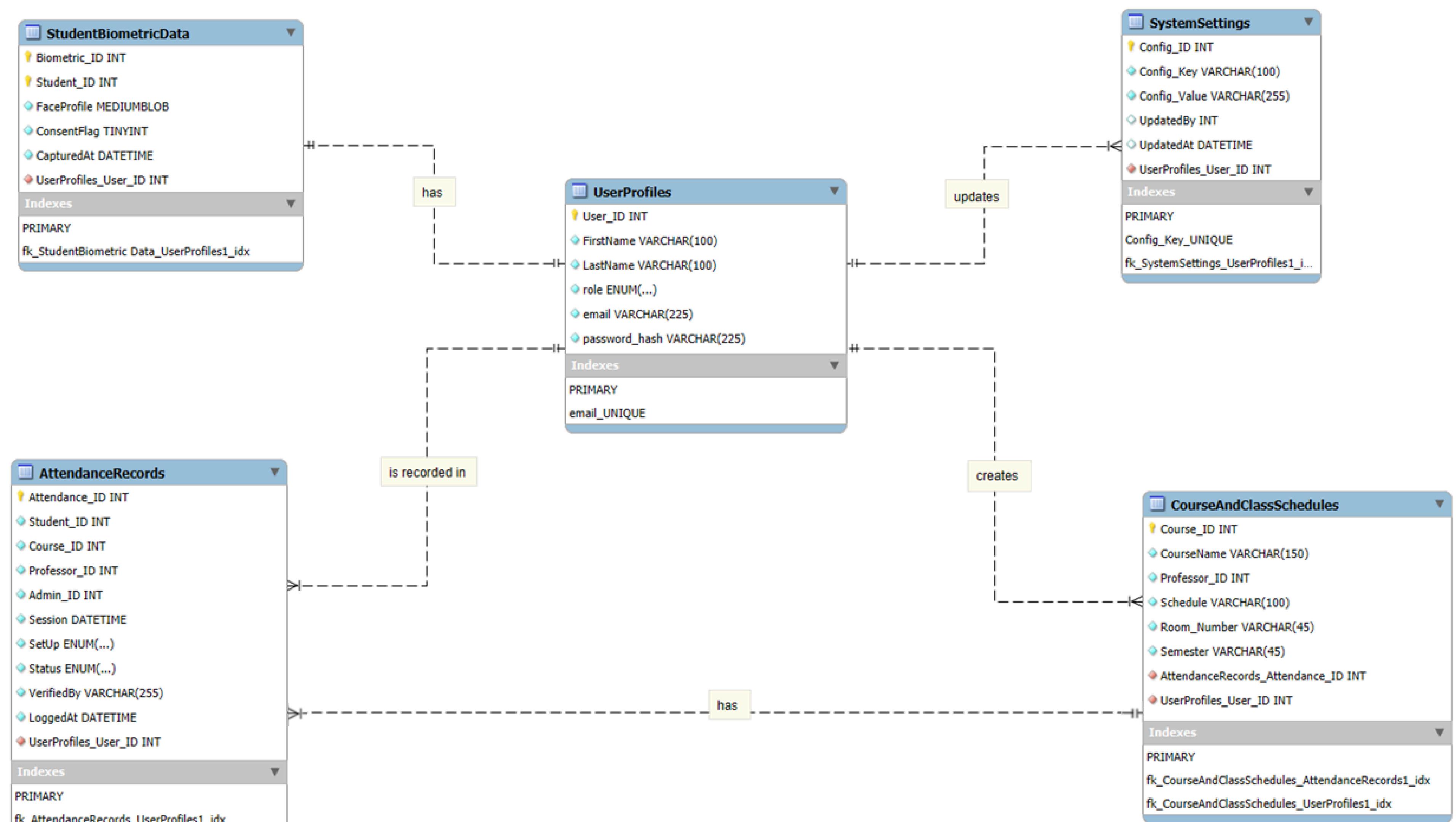
ENTITY RELATIONSHIP DIAGRAM

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Rules:

1. A Student User has Student Biometric Data.
2. A User can be recorded in Many Attendance Records.
3. An Admin User can update Many System Settings.
4. A Professor User can create Many Course and Class Schedules.
5. A Course and Class Schedule has Many Attendance Records.

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TEST CASES

Test Case #	Test Case Description	Test Data	Expected Result	Actual Result	Pass/Fail
1	Check response when entering school credentials on the Teams App.	Email: Password:	Authentication successful	Goes to respective pages once logged in	Pass
2	Check response when the student enters their facial profile	Facial Profile Image	Students Recognized	Image is saved onto database	Pass
3	Check data when Professor checks the Attendance Dashboard	Real-time Online and Onsite attendance Data	Data is being displayed	Only onsite attendance data is displayed	Fail
4	Check response when Professor exports an attendance report.	Attendance History Data	Report is being exported	Report is being exported	Pass
5	Check response when Admin modifies user accounts.	Add, Update, and Delete User Profiles	User Profiles are being created, updated, and deleted.	No actual CRUD functionalities	Fail
6	Check response when Admin uploads or updates class schedules.	Add and Update Class Schedule	Class Schedules are being created and updated.	No actual CRUD functionalities	Fail

PROTOTYPE

OPEN PROJECT

AY 2025-2026 Vector Four Sprint 01

Committed Backlog Items	Tasks Assigned (Not Started)	In Progress	For Review/Testing	Finished
+	+	+	+	+
		<p>On hold #2731 - APC_2025_2026... TASK Update consultants </p>	<p>In progress #3581 - APC_2025_2... FEATURE User Auth </p>	
			<p>On hold #3582 - APC_2025_2026... TASK Setup Supabase </p>	<p>Developed #3578 - APC_2025_2... FEATURE Student Frontend </p>
				<p>Developed #3579 - APC_2025_2... FEATURE Professor Dashboard </p>
				<p>Closed #2723 - APC_2025_2026... TASK Activity Diagrams with Swim Lanes (For each Fully Dressed UML) Sep 24, 2025 - Oct 08, 2025</p>
				<p>Deleted #2726 - APC_2025_2026... BUG Fix Facial Recognition Bugs </p>
				<p>Closed #2725 - APC_2025_2026... TASK Updated Test Cases (For Each Fully Dressed UML) Sep 30, 2025 - Oct 01, 2025</p>
				<p>Deleted #3580 - APC_2025_2026... FEATURE Facial Recognition on Dashboard </p>
				<p>Closed #2722 - APC_2025_2026... TASK ERD Sep 24, 2025 - Sep 30, 2025</p>
				<p>Closed #3128 - APC_2025_2026... TASK Dataflow Diagram </p>

Daily Scrum Day 1

[Unwatch](#) [Quote](#) [Edit](#) [Delete](#)

Added by Christian Luis Esguerra about 1 month ago

Watch this video: Daily Scrum Meeting [Click here](#)

For the daily scrum: We will use the following formats

- All team members present on site with the video camera turned on and standing up and speaking.
- All team members present online with the video camera turned on using online chat and speaking.
- Each Team member updating their daily scrum meeting report individually

Answer the following questions:

1. What did I do yesterday?
2. What will I do today?
3. Anything blocking I progress?

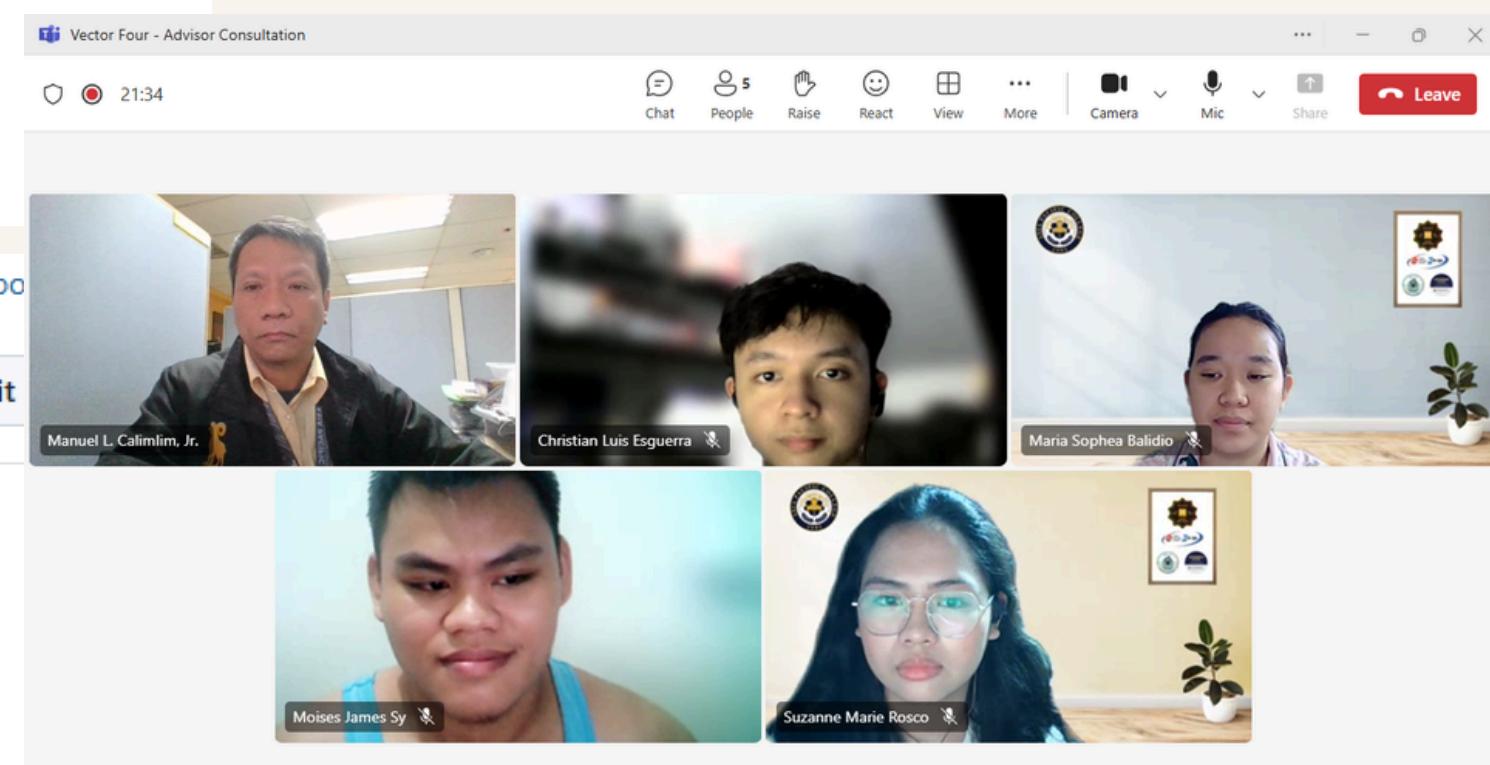
Daily Scrum Day 2

[Unwatch](#) [Quote](#) [Edit](#)

Added by Christian Luis Esguerra 10 days ago

1. What did I do yesterday?
2. What will I do today?
3. Anything blocking I progress?

CLARIFY: This is for Week 1 Scrum not Week 2



Daily Scrum Day 3

[Unwatch](#) [Quote](#) [Edit](#) [Delete](#)

Added by Christian Luis Esguerra 10 days ago

1. What did I do yesterday?
2. What will I do today?
3. Anything blocking I progress?

CLARIFY: This is for Week 1 Scrum not Week 2

Daily Scrum Day 1/3

Daily Scrum Day 1/3

Added by Christian Luis Esguerra 16 days ago

1. What did I do yesterday?
2. What will I do today?
3. Anything blocking my progress?

Daily Scrum 2/3

Daily Scrum 2/3

Added by Christian Luis Esguerra 10 days ago

1. What did I do yesterday?
2. What will I do today?
3. Anything blocking my progress?

CLARIFY: This is for Week 2

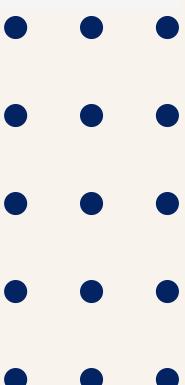
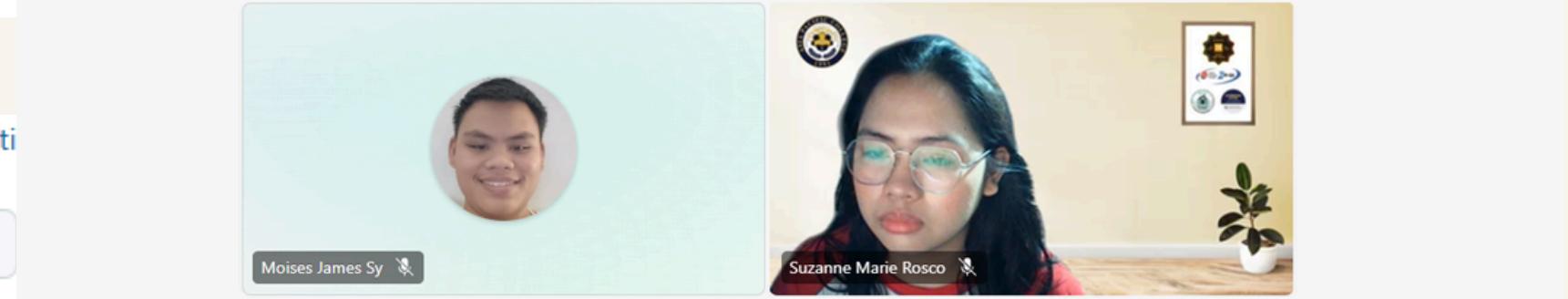
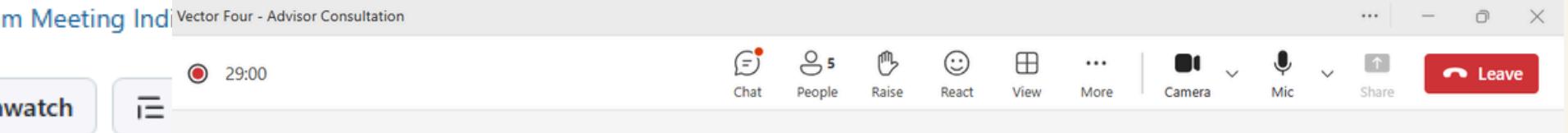
Daily Scrum 3/3

Daily Scrum 3/3

Added by Christian Luis Esguerra 10 days ago

1. What did I do yesterday?
2. What will I do today?
3. Anything blocking my progress?

CLARIFY: This is for Week 2



Documentation		2025-09-29	2025-10-15	16	▼
3759	Epic: Test Cases		New	6	
3758	Epic: Entity Relationship Diagram		New	5	
3756	Epic: Dataflow Diagram		New	3	
3757	Epic: Activity Diagram		New	2	
Features		2025-09-29	2025-10-16	55	▼
3760	Feature: Admin CRUD functionalities		New	10	
3755	Feature: Separate screens for first time log...		New	9	
3754	Feature: Log In Screen		New	8	
3752	Feature: Upload Photo on Student Portal		New	7	
3751	Feature: Update Student Profile Information		New	6	
3750	Feature: Export as CSV Button (Dashboard)		New	5	
3749	Feature: Admin Page UI		New	4	
3748	Feature: Import original Facial Recognitio...		New	3	
3746	Feature: Professor Dashboard UI		New	1	
3747	Feature: Student Portal UI		New	2	
3762	Feature: Online Participants Data		New	12	
3761	Feature: Working Facial Recognition		New	11	

Documentation		2025-09-29	2025-10-15	16	▼
3759	Epic: Test Cases		Closed	6	
3758	Epic: Entity Relationship Diagram		Closed	5	
3756	Epic: Dataflow Diagram		Closed	3	
3757	Epic: Activity Diagram		Closed	2	
Features		2025-09-29	2025-10-16	78	▼
3762	Feature: Online Participants Data		Test failed	12	
3761	Feature: Working Facial Recognition		Test failed	11	
3760	Feature: Admin CRUD functionalities		Specified	10	
3755	Feature: Separate screens for first time log in vs already in db		Tested	9	
3754	Feature: Log In Screen		Tested	8	
3752	Feature: Upload Photo on Student Portal		Tested	7	
3751	Feature: Update Student Profile Information		Tested	6	
3750	Feature: Export as CSV Button (Dashboard)		Tested	5	
3749	Feature: Admin Page UI		Develop...	4	
3748	Feature: Import original Facial Recognition code		Tested	3	
3746	Feature: Professor Dashboard UI		Develop...	1	
3747	Feature: Student Portal UI		Develop...	2	

Sprint Retrospective - Vector Four

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What Went Well

++ ...

Start of development of AttendEase (MS365 Agents Toolkit Template)

Making of Diagrams

On-time Documentation

Frontend Design

Consistent progress overall each week

Feedback of Project Advisor

Feedback of ITRO

+ Add a card



What Worked

++ ...

Scrum Meetings

Project Adviser Consult Meetings

Working facial recognition feature

+ Add a card

What Could've Been Better

++ ...

Could have started Scrum Meetings earlier

OpenProject organization

Extra research on Microsoft Entra vs Microsoft Graph

The organization of sprints and retrospectives

Could've been quicker with progress

Could've been more efficient with delivery of progress on Frontend

Could've been more informed with the format of commits

The time the feedback from our Advisor to get back to us

+ Add a card

Actions

++ ...

Be more on time and organized with meetings

Update consultants earlier as possible

Be more efficient and active with the development of the project

Ask for more ITRO insights as the project will go on

Add features for online

Have more efficient meetings with Advisor to get feedback asap

+ Add a card



**THANK
YOU**