



International
University



Distance Learning Activity Manager



Nguyen Duc Thanh Cong - IUCSIU22023

Pham Chan Quan - ITCSIU22313

Nguyen Huu Thuy - ITCSIU22141

Overview



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Introduction

We are pleased to introduce the Distance Learning Activity Manager (DLAM)

As online education grows, DLAM bridges the gap between remote instructors and students. The system provides a structured platform to centralise course administration, assignment distribution, and academic assessment

- Course & Resource Management
- Assignment Submission Tracking
- Integrated Grading & Feedback



Problem Statement



- 01 Fragmented management processes create operational inefficiencies that disrupt the coordination of remote learning activities.
- 02 Instructors encounter heavy administrative burdens tracking student progress via emails and disjointed manual tools.
- 03 Students face persistent ambiguity regarding assignment deadlines and submission status in unorganized learning systems.
- 04 Inconsistent data hinders effective supervision of student participation and the evaluation of learning outcomes.

System Objectives

Summary

To create a centralised platform that streamlines remote learning management and improves student assessment outcomes.

- ▶ Centralise the management of courses, learning activities, and educational resources.
- ▶ Facilitate streamlined assignment distribution and efficient student submission processes.
- ▶ Enable effective performance assessment through integrated grading and qualitative feedback.
- ▶ Empower students to track academic progress and meet deadlines consistently.
- ▶ Enhance transparency and interaction between instructors and students during remote learning.



Target Users

- **Instructor**

Manages courses, creates learning activities, and evaluates student academic performance.

- **Student**

Enrols in courses, participates in activities, and submits academic assignments.

- **Administrator**

Monitors system-wide performance and generates comprehensive academic progress reports.

Core Features



User Authentication

Manage personal accounts with role-based access for students and instructors.

Course Administration

Enable instructors to create, update, and manage diverse educational content.

Evaluation Tools

Facilitate efficient grading and qualitative feedback for all student work.

Activity Coordination

Organise structured activities with clear descriptions and enforced submission deadlines.

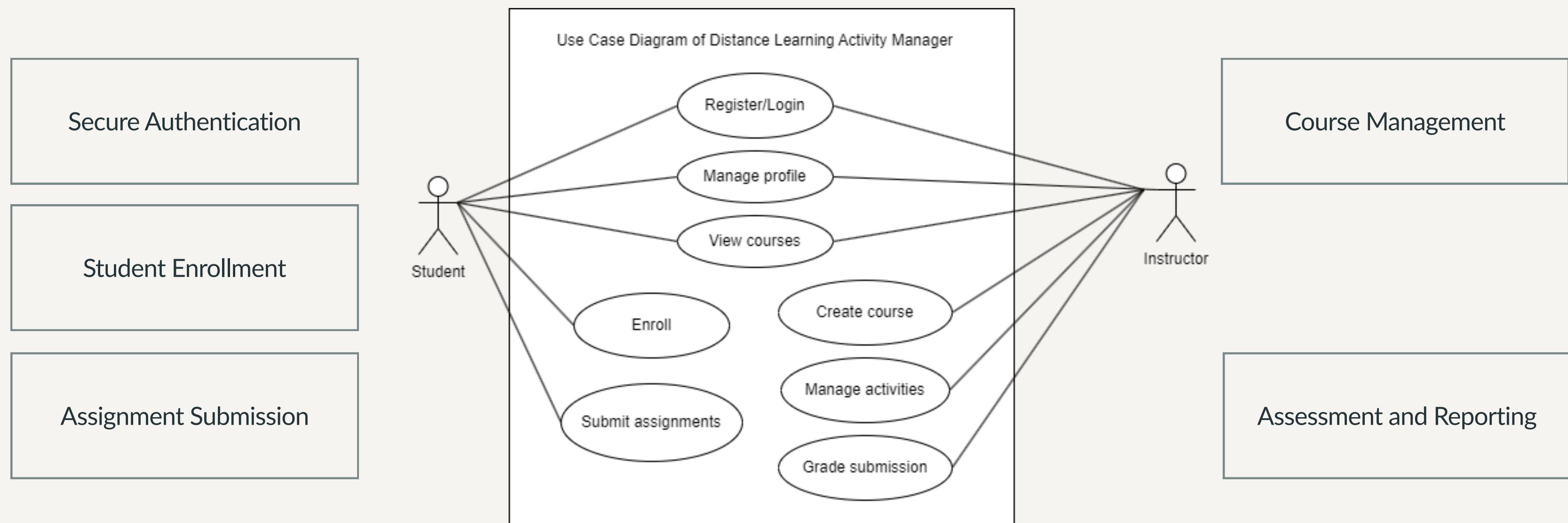
Assignment Submission

Provide students a centralized platform to upload files and written content.

Course Enrollment

Allows students to browse available courses and manage active enrollments.

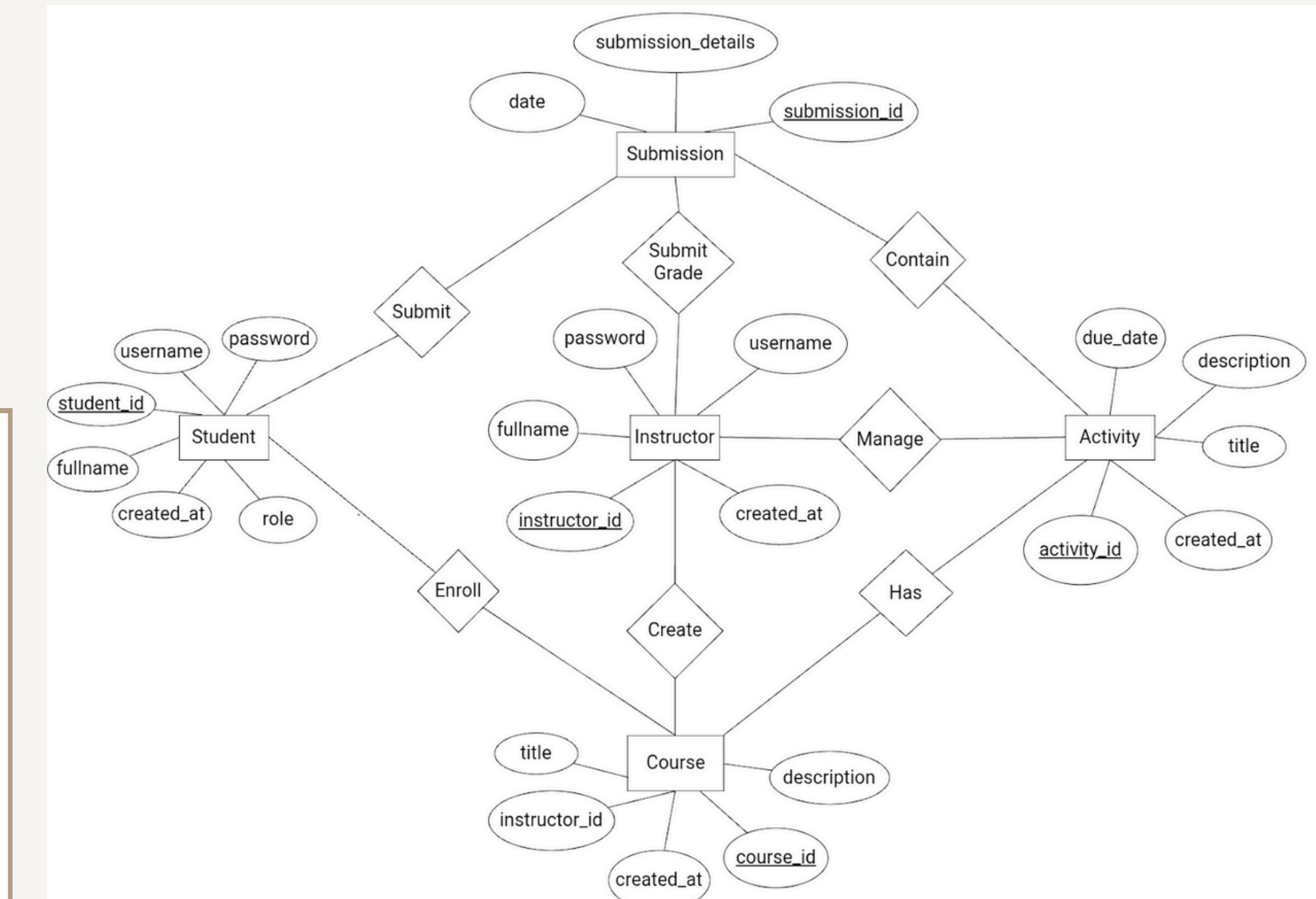
Use Case Overview



ERD

DLAM data model

- Centred-core entities: Users, Courses, Activities, and Submissions.
- Conceptual relationships map user interactions to academic content and assessment records.
- Ensures data integrity and supports future system scalability.



System Architecture Overview

01

View Layer

Renders the user interface using templates to ensure seamless student interaction.

02

Controller Layer

Processes incoming requests and directs the flow of application data.



03

Model Layer

Represents internal data structures and manages the core business logic.

04

Repository Layer

Abstracts database operations to ensure reliable and efficient data persistence.

05

Modular Design

Enforces separation of concerns to enhance long-term system maintainability.

Demonstration Flow

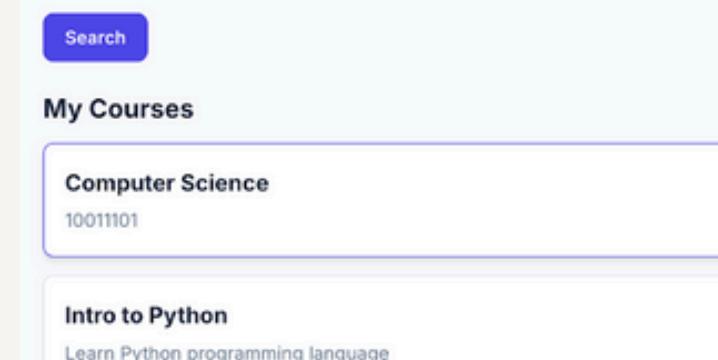
01



The screenshot shows a 'Create New Course' form. It has fields for 'Course Title' (with placeholder 'e.g. Intro to Computer Science') and 'Description'. A 'Search' button is located above the course list.

Instructors create a new course and establish structured learning activities for students

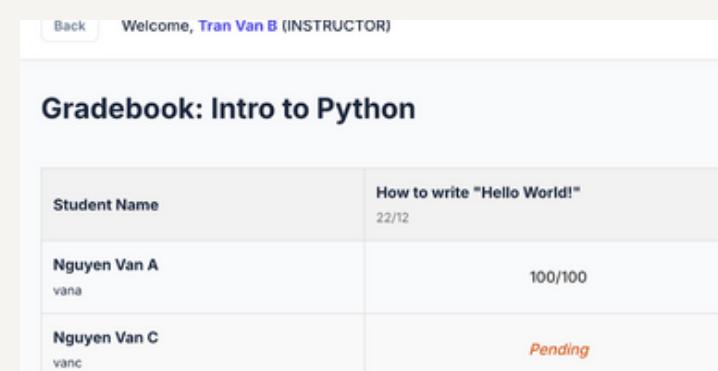
02



The screenshot shows a 'My Courses' dashboard. It lists two courses: 'Computer Science' (10011101) and 'Intro to Python'. The 'Intro to Python' card includes a description: 'Learn Python programming language'.

Students enroll in available courses and submit digital assignments before established deadlines

03



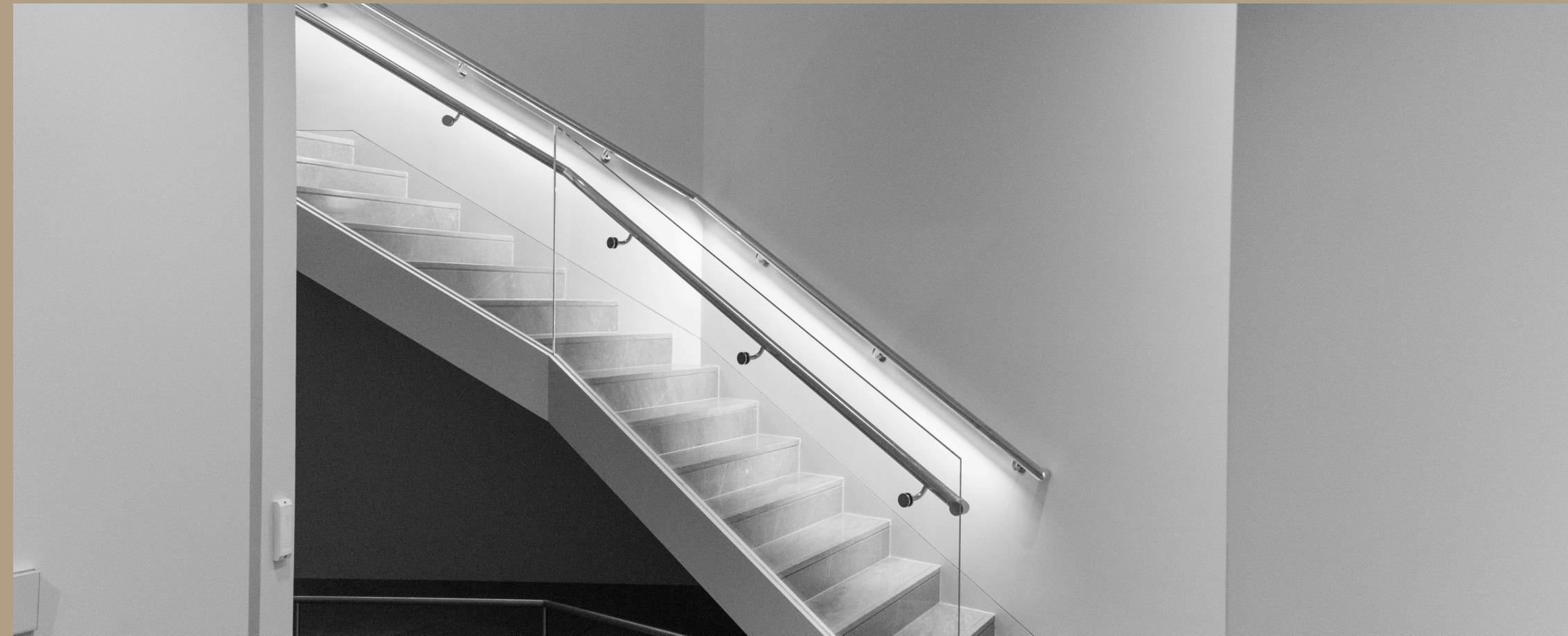
The screenshot shows a 'Gradebook: Intro to Python' page. It displays a table with student names and their assignment scores. The table has columns for 'Student Name', 'Assignment Name', and 'Score'.

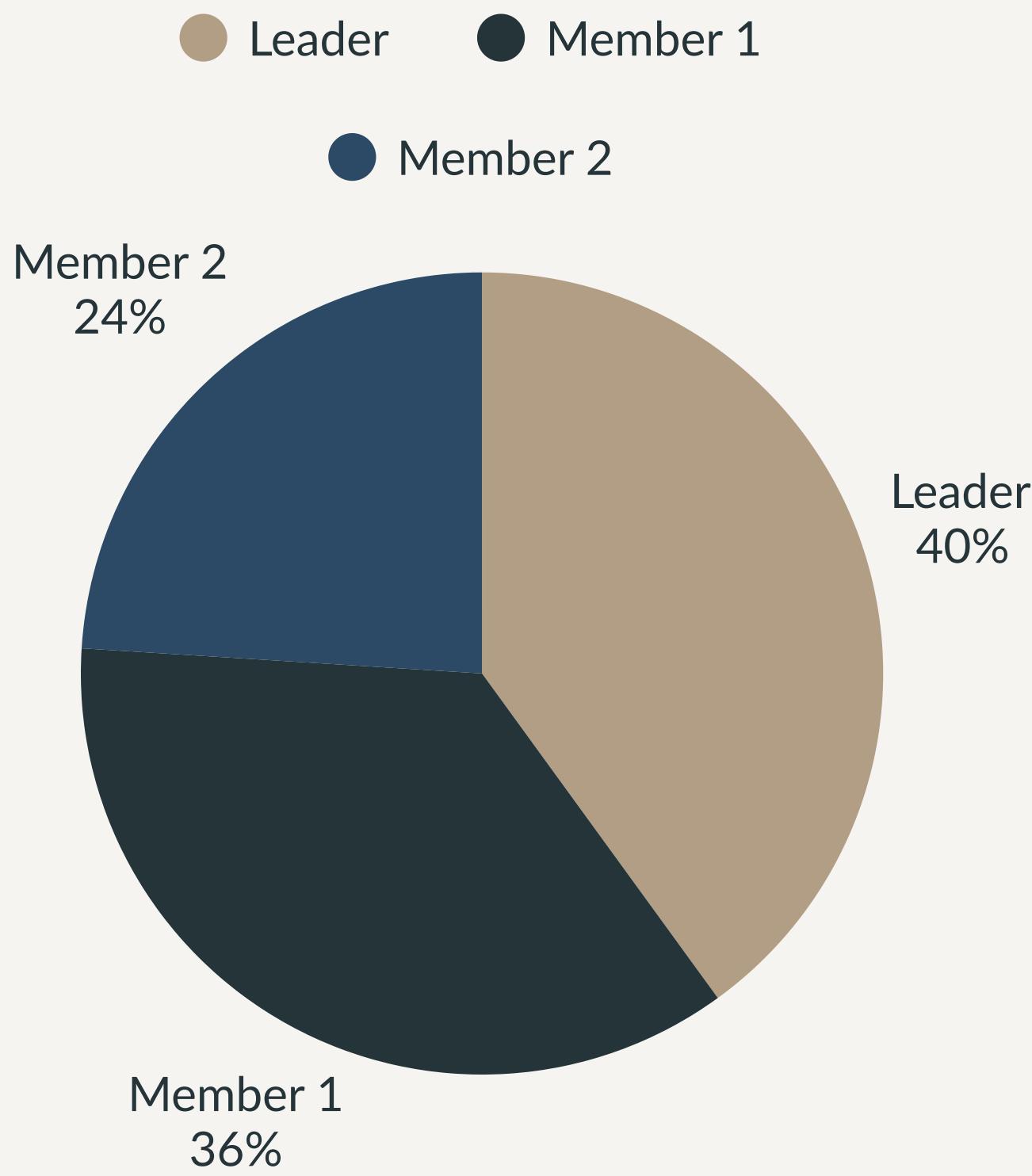
Student Name	Assignment Name	Score
Nguyen Van A vana	How to write "Hello World!" 22/12	100/100
Nguyen Van C vanc	Pending	

Instructors provide qualitative grades and feedback while students monitor their academic performance



Move forward.
Good things are up ahead





Team Contribution

Leader - Nguyen Duc Thanh Cong ITCSIU22023

- Project setup, database schema, GitHub management, module integration, code review, and final polishing.

Member 1 - Pham Chan Quan ITCSIU22313

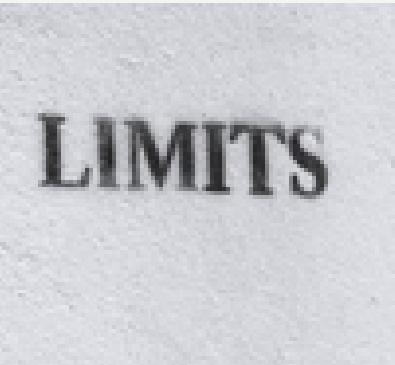
- Activity and enrollment modules (FE & BE), student workflows, project report authoring.

Member 2 - Nguyen Huu Thuy ITCSIU22141

- Course and profile modules (FE & BE), user management, and presentation preparation.

Limits & Future Work

01



- Security implementation details were simplified
- Local file storage limits cloud scalability
- The system currently relies on manual page refreshes rather than real-time interactions

02



- Cloud-based storage services: improve data persistence and system performance
- Automated notifications: alert of approaching deadlines

Conclusion

DLAM centralises remote course management, delivering transparent and organised workflows for instructors and students.



Q&A

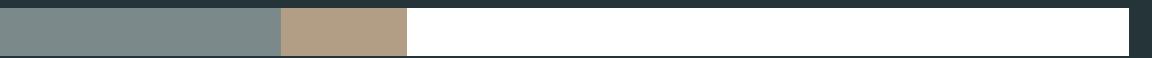




International
University



Thank You



Nguyen Duc Thanh Cong - IUCSIU22023

Pham Chan Quan - ITCSIU22313

Nguyen Huu Thuy - ITCSIU22141

Instructor: N.T.Nghia