



MUICT connect

presented by **018_025_079_215**



Motivation

In the ever-changing sector of higher education, effective communication improves academic experience. MUICT Connect provides fast and thorough information transmission to bridge the Faculty of ICT communication gap. Our goal in building this innovative platform is to create a central centre for academic and extracurricular information. MUICT Connect empowers students by offering complete information on events, academic updates, and useful possibilities that might improve their university experience. This project shows a commitment to improving student experience, community, and academic environment in the Faculty of ICT.



Scope of project

- Communication Centralization:
 - Establish a central platform for distributing academic and extracurricular announcements within for the Faculty of ICT.
 - Streamline existing communication channels for efficiency.
- Information Accessibility:
 - Enhance the delivery of academic updates, event details, and opportunities.
 - Provide easy access to essential information for ICT students.



Expected Benefits

MUICT Connect aims to improve ICT Faculty communication. The platform improves efficiency and interconnectedness by optimizing communication and making essential data accessible. MUICT Connect has an easy-to-use interface, smooth integration, and user-driven enhancements. It empowers students and faculty and prepares them for the future.

Background

The main sources of news and information for ICT students are:

1. Social Media
2. MyCourses website



Social Media

Pros:

- Quick and widespread dissemination of information.
- Familiarity and popularity among students, potentially increasing engagement.

Cons:

- Information **overload** may cause students to overlook important announcements.
- Risk of students forgetting critical dates due to the transient nature of content on these platforms.



MyCourses

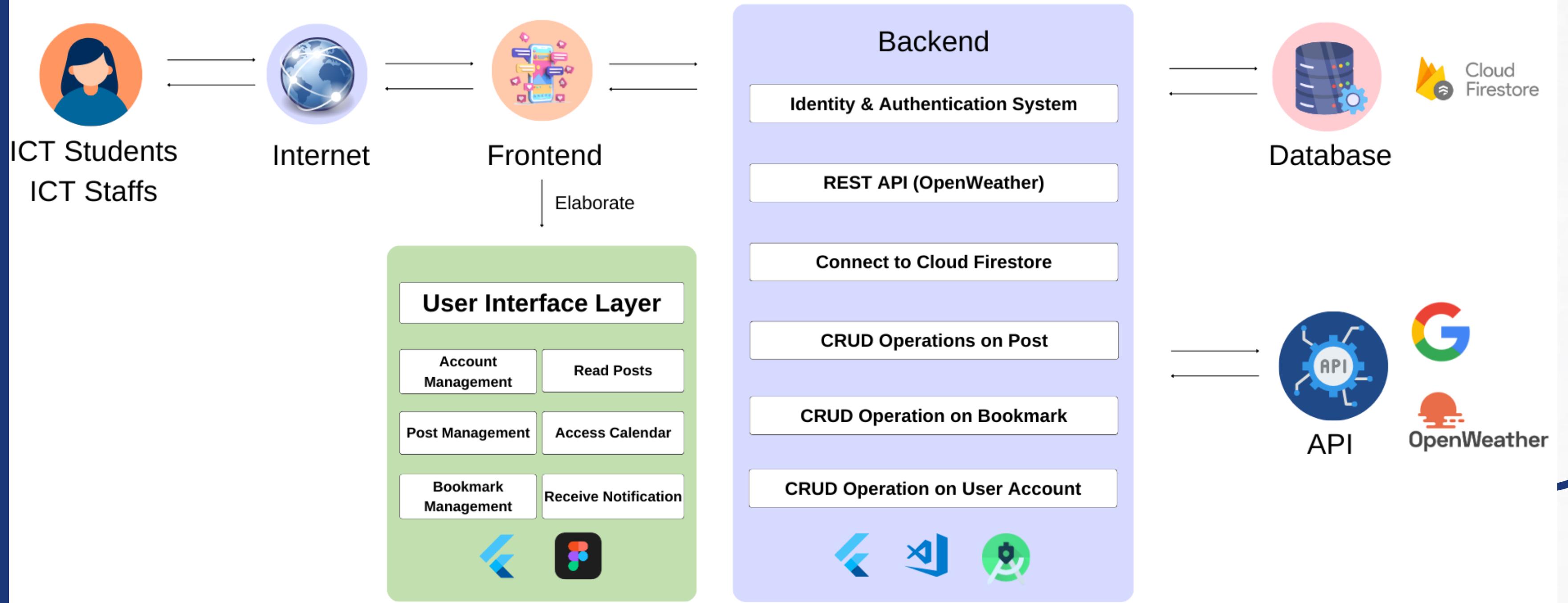
Pros:

- Provides a centralized and organized space for academic resources and news
- Enables direct communication between instructors and students in a controlled environment.

Cons:

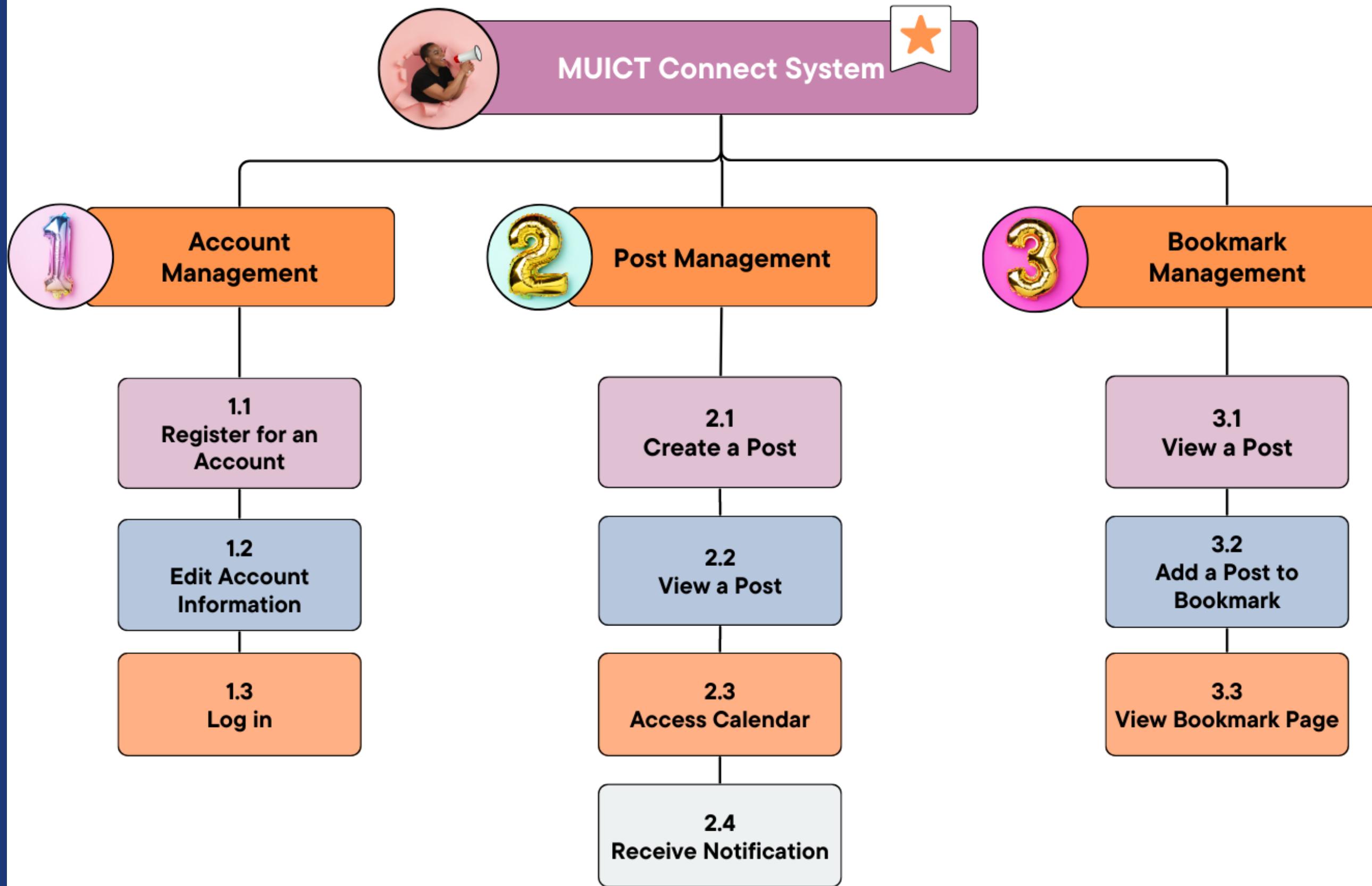
- Not all news are posted here
- Delay notification by email

System Architecture Overview Diagram

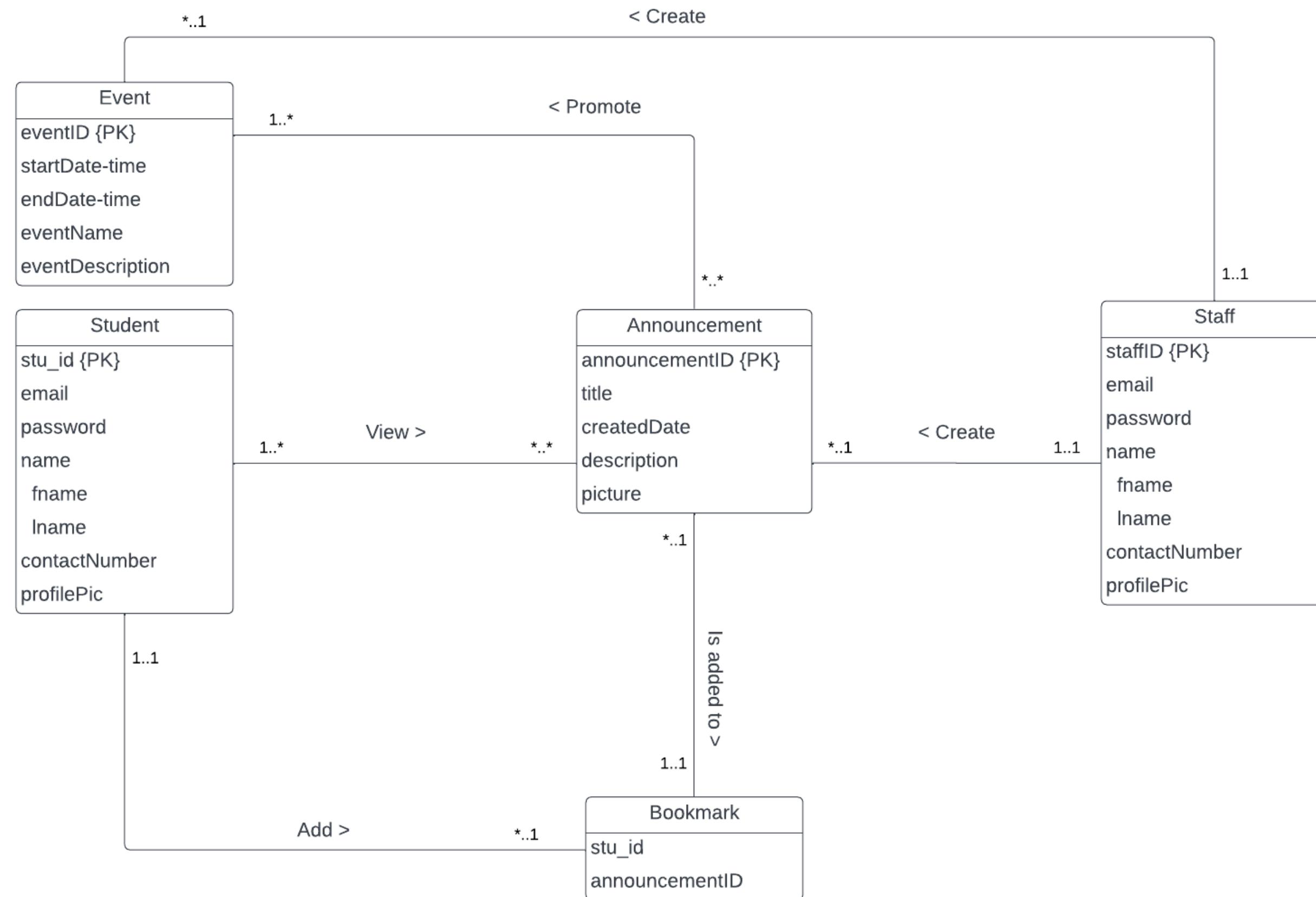


Structure Chart

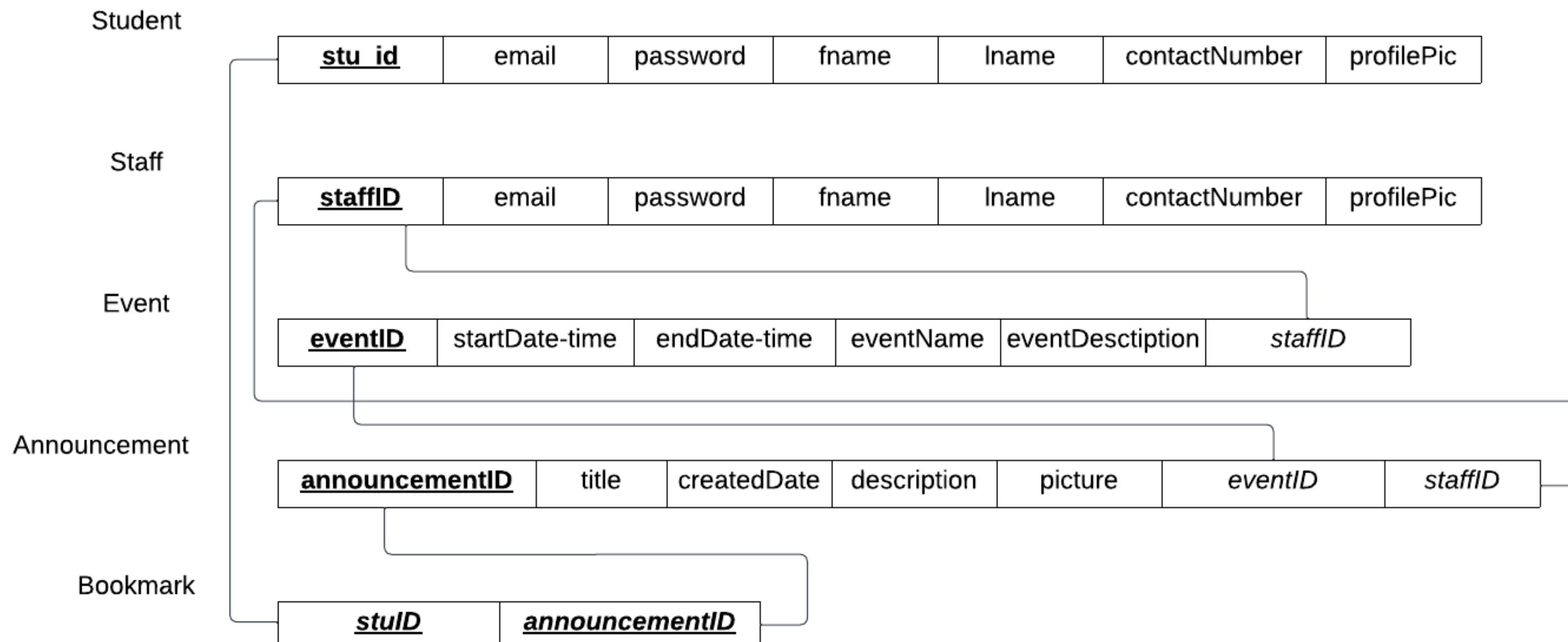
MUICT CONNECT



ER Diagram

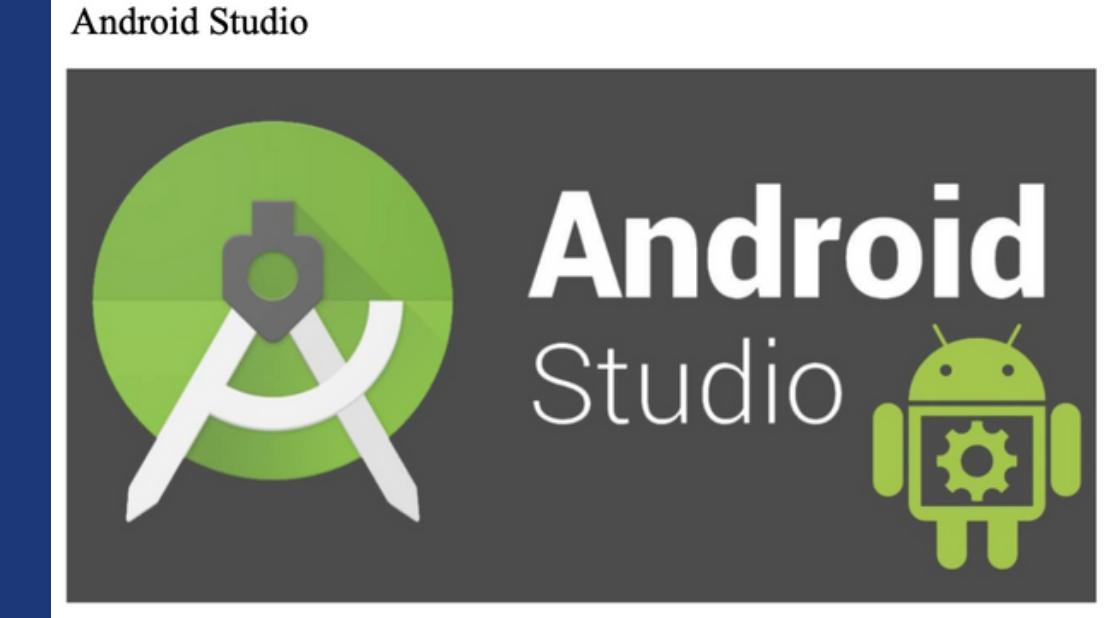
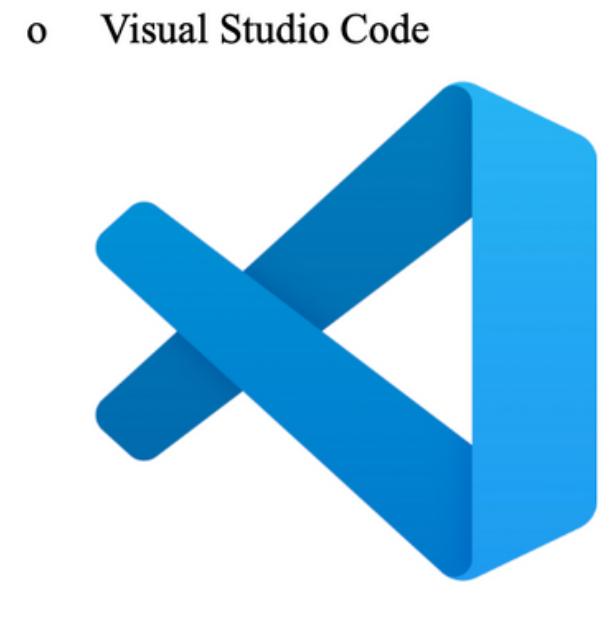


Relational Schema





Editor



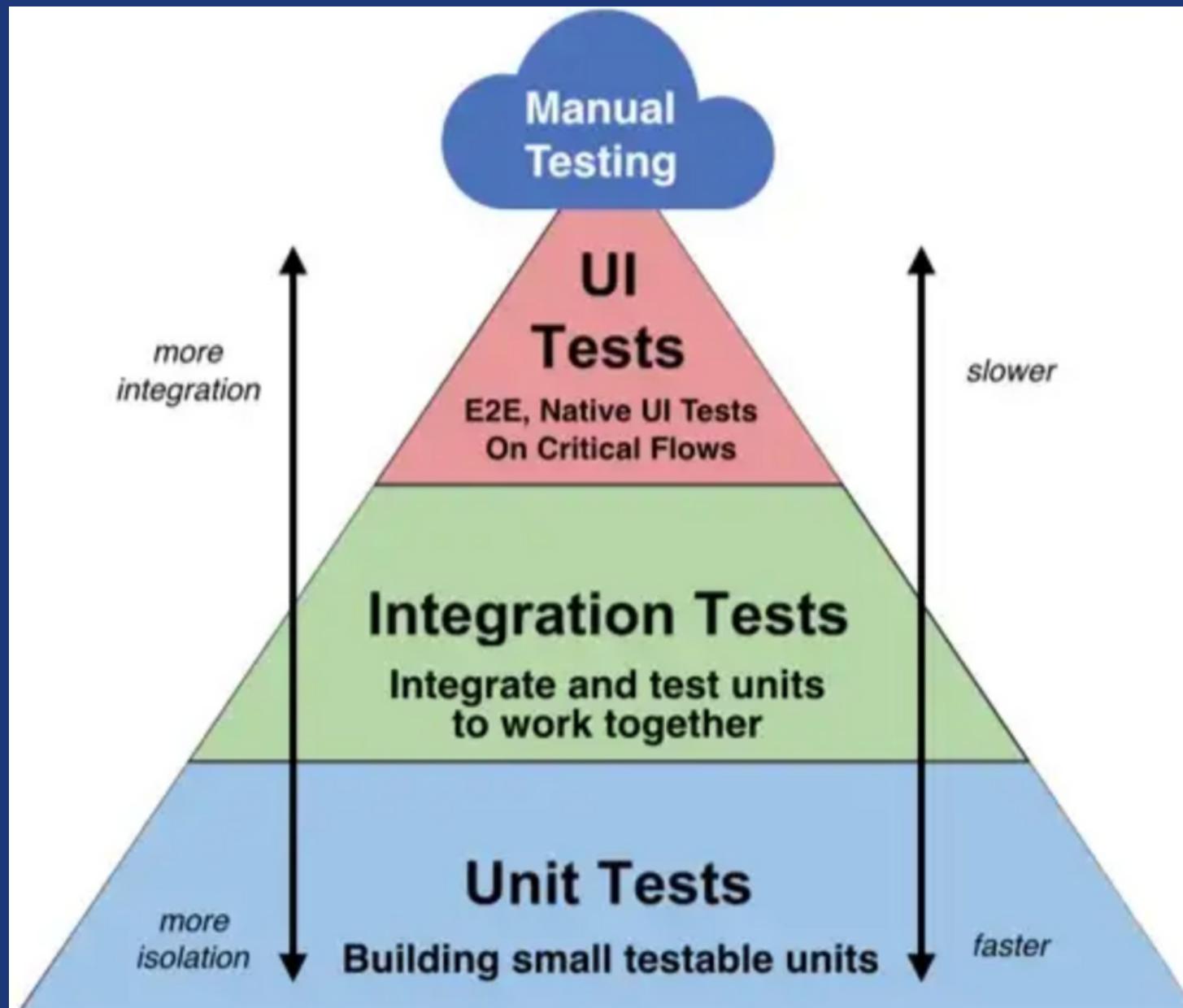
Programming and Scripting Tools



For database management systems, we use Google Cloud Firestore to alter and connect the application to the database. The Firebase Cloud Firestore serves as an intermediate between database and application data. Even if we inadvertently destroy the database or some app parts, data will remain in the Cloud.



Testing and Evaluation



Unit Test

Process No.

I: Register, 2: Login,
3: Post Management, 4: View Post

Integration Test

Users can register in the system.
Users authenticate themselves to gain
access to the system.

Users can enter and manage posts.

Users can view posts and bookmark them.



Conclusions

For database management systems, we use Google Cloud Firestore to alter and connect the application to the database. The Firebase Cloud Firestore serves as an intermediate between database and application data. Even if we inadvertently destroy the database or some app parts, data will remain in the Cloud.

Problems and Limitations

- Possible technological obstacles may arise throughout the process of developing and implementing a platform.
- Some users exhibit resistance to change.
- Continuous updates and maintenance are necessary to ensure the platform's ongoing effectiveness.

Future Work

- Iterative improvement of the platform guided by user feedback.
- Enhancement of functionalities to accommodate changing requirements.
- Integration with other university systems allows for seamless information interchange.

User Interface

register

Login

Dashboard for stud...

Notification

Bookmark

Post for staff

Manage news post

Registration News

Announcement

Internship

Activities

Profile 1

Profile 2

About us



Thank you

I really appreciate your time.