



**Technological Institute of the Philippines
Manila Campus**

***College of Information and Technology Education
Bachelor of Science in Information Technology***

**PROJECT
STUDENTS' SUBJECT MANAGEMENT APP**

**CITE203 - IT22S2
PLATFORM TECHNOLOGIES**

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I. Background

A. Overview of the System

The researchers created a Students' Subject Management App, a solution application designed to track, preserve, and manage data supplied by an administrator, such as student information, topic information, and subjects taken. The app was created in Android Studio, which used Java to execute the application's capabilities and XML to produce the design and layout. In an SQLite database, the application contains student information, subject information, and the subjects taken by the students.

Subject Management Apps for Students serve academic institutions in various ways, the most important of which is the centralized management and accessibility of student information. In the future, administrators will find it easier to enter, save, and retrieve student data. The application has four (4) critical characteristics. The first feature is the Login page. To secure the information contained in the program, the login page includes a username and password. The second and third features are the students' and the topics' lists, where the administrator can create, read, amend, and delete data. The last feature allows the administrator to assign student subjects based on data. In this application, the data acquired from student information must be kept secure. These data included the student's basic information and academic standing. Each student or enrollee is assigned a subject through this application.

To summarize, this program has a wide range of application potentials, from simple management of students' school records to managing all student-related functions and subjects. The various modules contained in the Students' Subject Management Application must be present to meet the criteria for handling student and subject information. As a result, the school administration would find it much easier to manage and supervise students' information and subjects.

II. User's Manual

A. Splash



Figure 1: Splash Screen

The Splash Screen is one of the sections or elements in the Students' Subject Management App that the user will see. It was encoded and manipulated in an XML and Java file. When you initially launch the app, it will appear. This acts as a loading screen, informing viewers that the program is running the app itself. As seen on the splash screen, the school's name, "Summit University," indicates that it is the school's system. On top of it comes the title, which informs us what we can view inside the app, which is the system, and ED for education, as this software is for an academic procedure.

B. Login

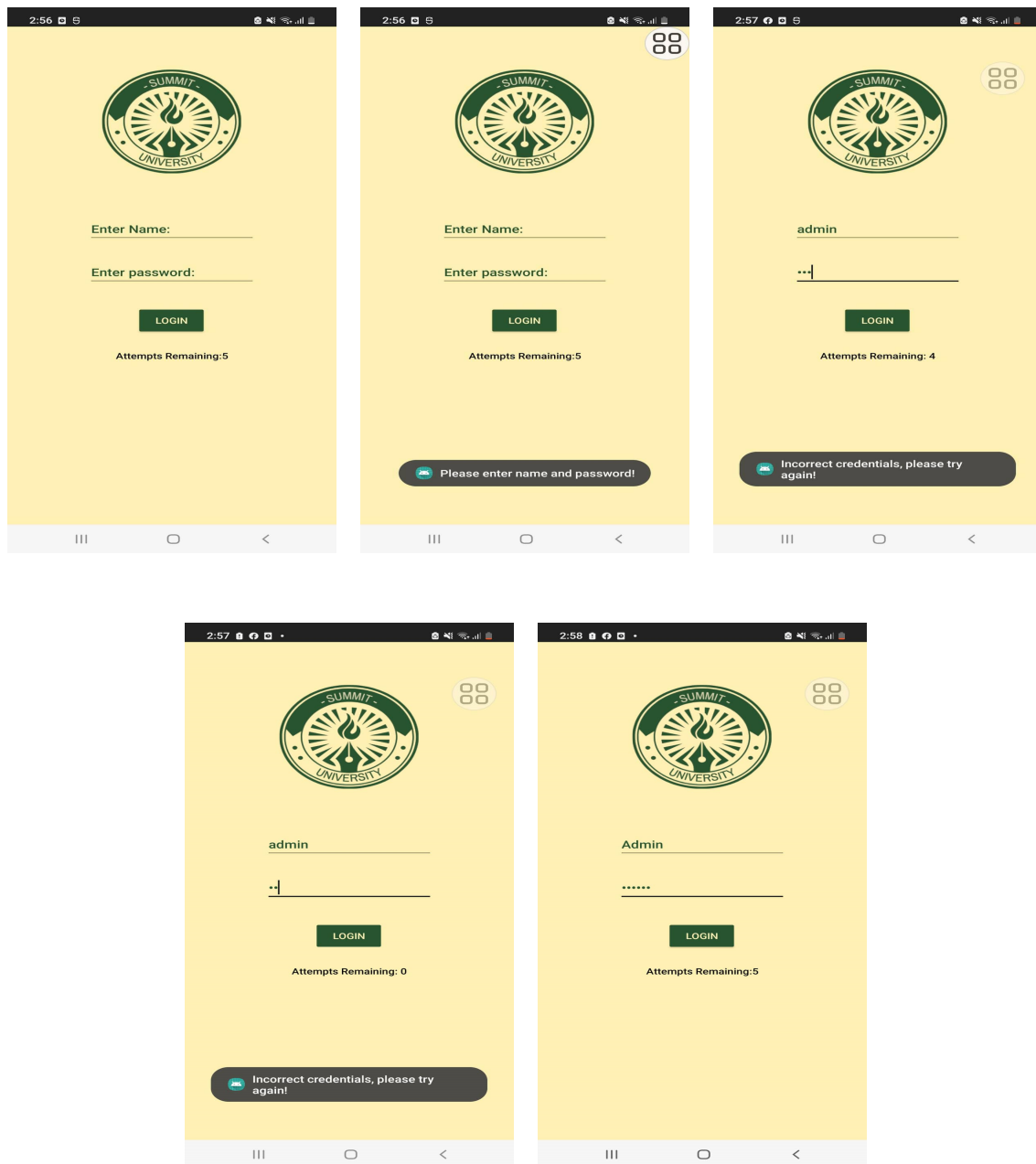
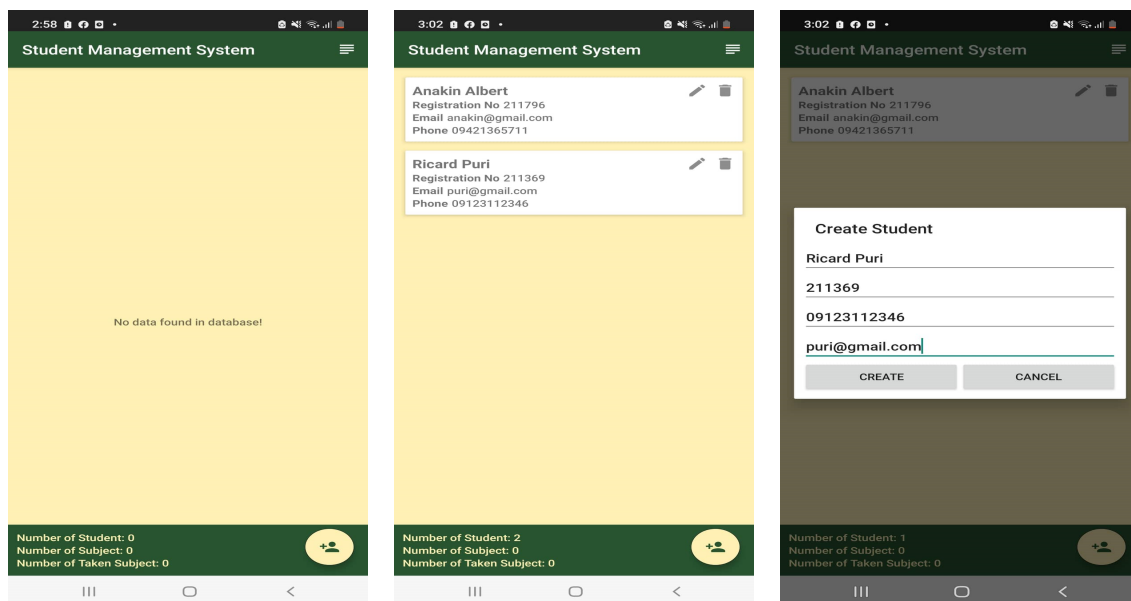


Figure 2: Login

This login part is after the Splash Screen portion in our Students' Subject Management Application. This login part included the Summit University logo, the school color to signify that it is a school system, and text fields where the user must enter the username and password credentials encoded in the java file to access the next activity of our system. The programmers also created toast messages that will appear based on their circumstance, such as "Please enter name and password" when the user does not enter any value in the text boxes and "Incorrect credentials, please try again!" when the user does not meet the given value. It also has a limited number of attempts, which decreases with each wrong credential entered. The login button will be blocked to prevent hacking if the user exceeds five (5) particular tries. This login section's job is to maintain the security of the students' data kept in the application and that only the appropriate person can manage the data

C. Student List



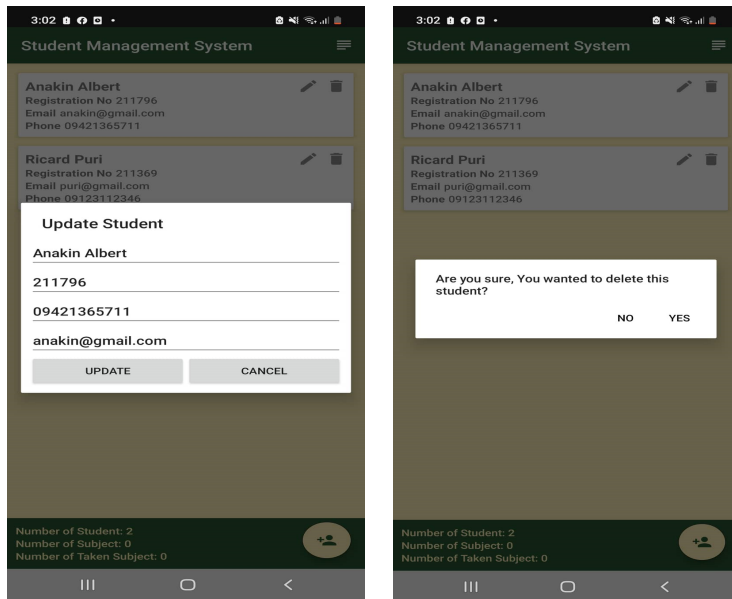


Figure 3: Student List

The first thing users see after logging in is a list of students' names. You may find their email addresses, phone numbers, and registration numbers below their names. It has three buttons: create, update, and remove. This page was likewise designed using a toolbar and BarLayout by the coders. The program features a yellow and gray background. The admin can see how many students, subjects, and taken subjects there are at the bottom left side of the website. This is the part where the administrator can simply view the students' contact details if required.

D. Subject List

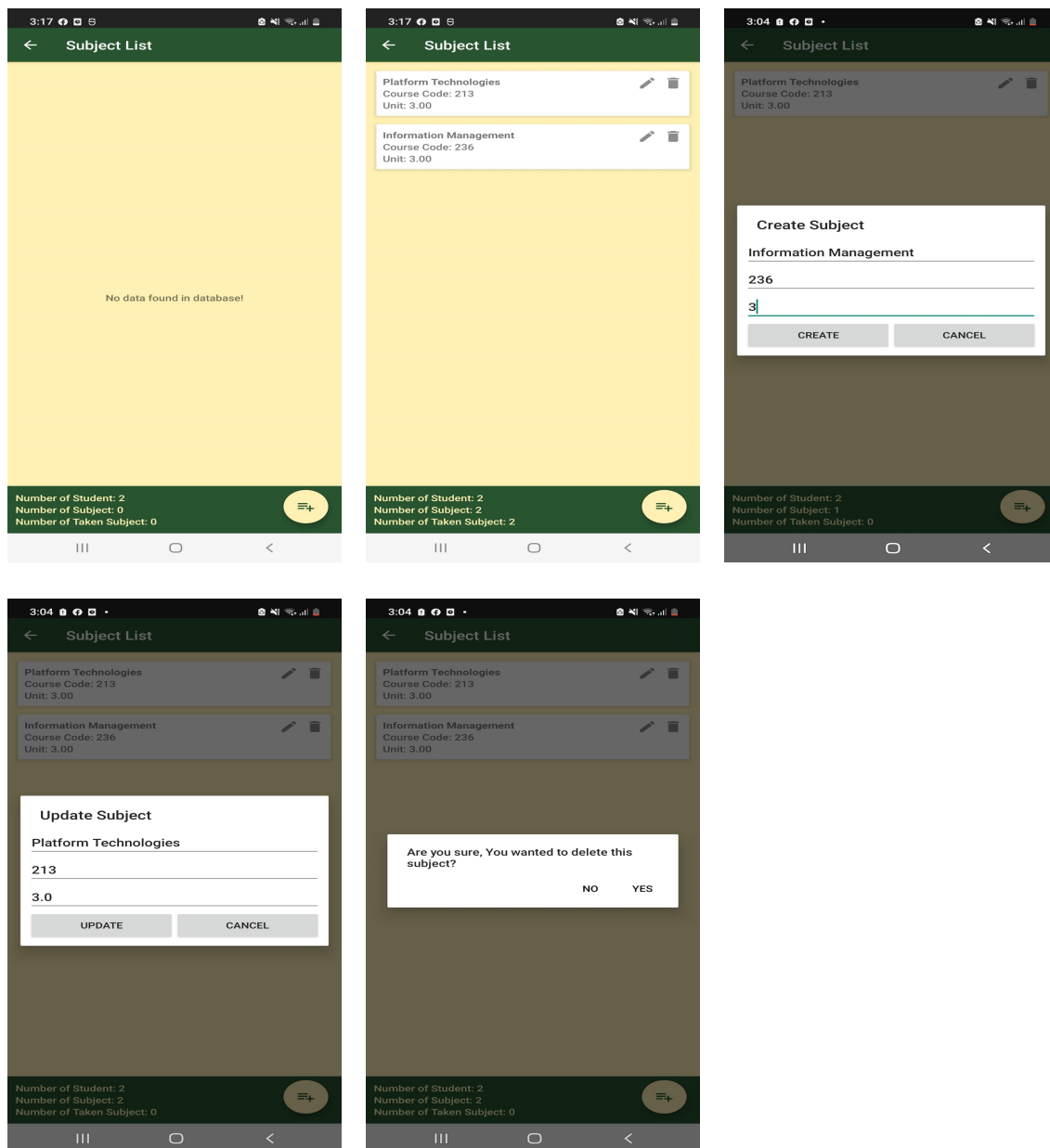


Figure 4: Subject List

This section of the system is located in the upper right corner of student information; if you visit the icon, it displays an empty webpage (if that user hasn't developed any subjects). A user must create an issue on the create_subject form for that webpage to have content. The three text edits are contained within that form: the subject name, code, and credit. Following that input and selecting the create button, the subject's details will be displayed. If the user outputs the chosen topic, the user will have two (2)

options: delete the issue or alter the subject. There is a trash can icon to delete a subject, and the application will confirm if the user wants to delete the selected topic. Assume the user wishes to revise the subject information. In that situation, the user can choose the edit symbol by clicking the pencil icon. The user will have access to the create_subject form once more. This time, however, it will be the update_subject form; the state will remain the same, but the goal will be different; the update form will seek to update the subject information.

E. Student Taken Subject List

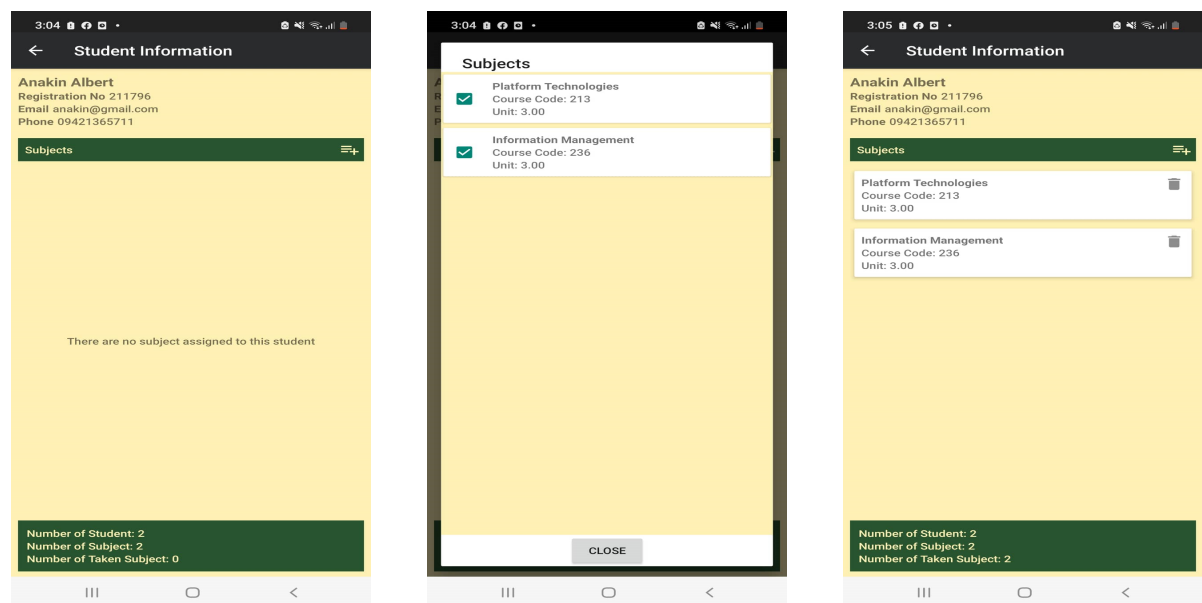


Figure 5: Student Taken Subject List

This feature locates the student information if the user clicks on the assigned student. After clicking, the student information and an unassigned subject will be displayed. If the user clicks again in the upper right corner on a yellow bar, a check box with the subject information created earlier by the admin will appear. Subject information will appear if the user clicks the checkbox; otherwise, the system will detect it as "taken subject" to that specific student. The student information indicating the student took the topic and the subject information will be displayed to that chosen student. Following that appearance, the user can remove that selected subject from that student by clicking the trash icon at the top right of the subject information.