

HEALTH TEKNOY



FINAL APP PRESENTATION

HEALTH TEKNOY

TEAM WCKD - OCTOBER 25,2022

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Software Requirements Specification

HEALTH TEKNOY

Health Teknoy is an application that will be in service to make filling out health declaration form much easier and quicker by generating a QR code. After the code is scanned, information will be directed to the database that is monitored by an admin. Moreover, users' data are being assured to be protected and safe. Lastly, this application includes the following functions: my calendar tab, my QR code, home, my account, and history which will be discuss elaborately in this document.

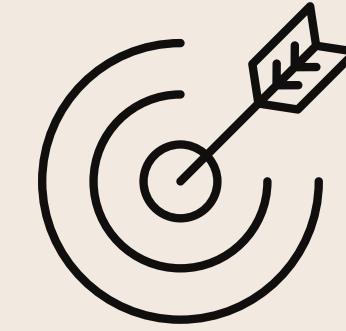


HEALTH TEKNOY
"TO INFORM IS TO CARE"

Introduction

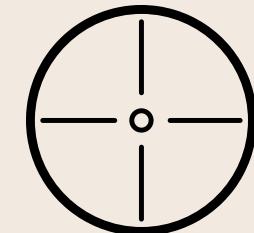


HEALTH TEKNOY
"TO INFORM IS TO CARE"



PURPOSE

Develop a mobile application that will generate QR code allowing users to make filling up health declaration forms quicker and easier. Users can input their data and generate a QR code out of it. The scanned code will then be directed to a database monitored by an admin. Moreover, it will assist admin in making the monitoring of statistics more convenient. Lastly, it makes the monitoring smooth as the information between students, faculty, and staff is already classified in each group.



SCOPE

Users need a mobile device with internet connectivity to run, generate QR code and use the mobile application.



TARGET USERS

CIT-U staff, students and instructors

PRODUCT PERSPECTIVE

The software would be created and implemented in an Android operating system environment because it is a mobile application. The intended audience for the application is largely students who are mobile users. Any phone with the latest version of the Android operating system can use the app.

PS

PRODUCT FUNCTIONS

1. QR Code Generator

- Creates Quick Response Code of the form that the user created from the health declaration form inside the app.

QR

2. Student Summary

Shows an overview of the students' details and whether the student is valid to go inside the campus or not. This function is dependent on the students' input of their details. If they don't have any symptoms that lead to coronavirus related diseases, then they are free to go inside the campus.

SS

3. Updates

It shows the up-to-date announcements from the admin.

U

4. My Calendar

It shows the updated date of the day and it allows the user to see previous dates of entry/scan of the generated QR code.

C

ADMIN SIDE

1. Save, Update and Delete record

Allows the admin to save a new record, update the said record, and delete the QR codes for the record marking it inaccessible after the expiration and users should be generating new QR codes.

QR

2. QR Scanner

Scans the QR Code that is generated by the student. Once scanned, it will show the students' summary.

QR

3. Color coding scheme for safety

- Certain parameters needed to be qualified to be safe or green tag. One must not have any symptoms and should not have a higher body temperature of 37.5° C. Aside from that one must not have exposed individuals who show symptoms of Covid-19 virus infection.

CL

4. Update Log

-In order to establish communication among the students and staff of Cebu Institute of Technology - University, the qualified admins have the privilege to post any school and health related announcements. Once successful, all of the announcements will reflect on the user side.

UP

5. Stat Summary

It provides the statistics of students at the university. It shows the number of students who entered the campus, the number of students who are symptomatic, and the number of students who have traveled outside of Cebu for the last 2 weeks.

SS

User characteristics

The expected users of this software are CIT students who care for themselves and other people. Users should know how to use mobile apps in general and what the app's main features are.

Users must fill out the health declaration form with the essential information. The user can generate the QR code they need to enter the campus once they have finished entering all the necessary details. They can generate the QR code anytime they need because their details are already saved. If they wish to edit their information, they are free to do so with the editing feature.

Constraints

Internet connectivity is necessary to run the app. The generated QR code will be deleted by admin after 1 day, so that the users will be reminded to check their form if they need to edit some data. The application will show an overview of the students' health status and whether they are valid to enter or not based on the health declaration form data they input once their QR code is scanned.

Graphical user interface

USER SIDE



Create New Account
Sign Up to continue

LASTNAME

FIRST NAME

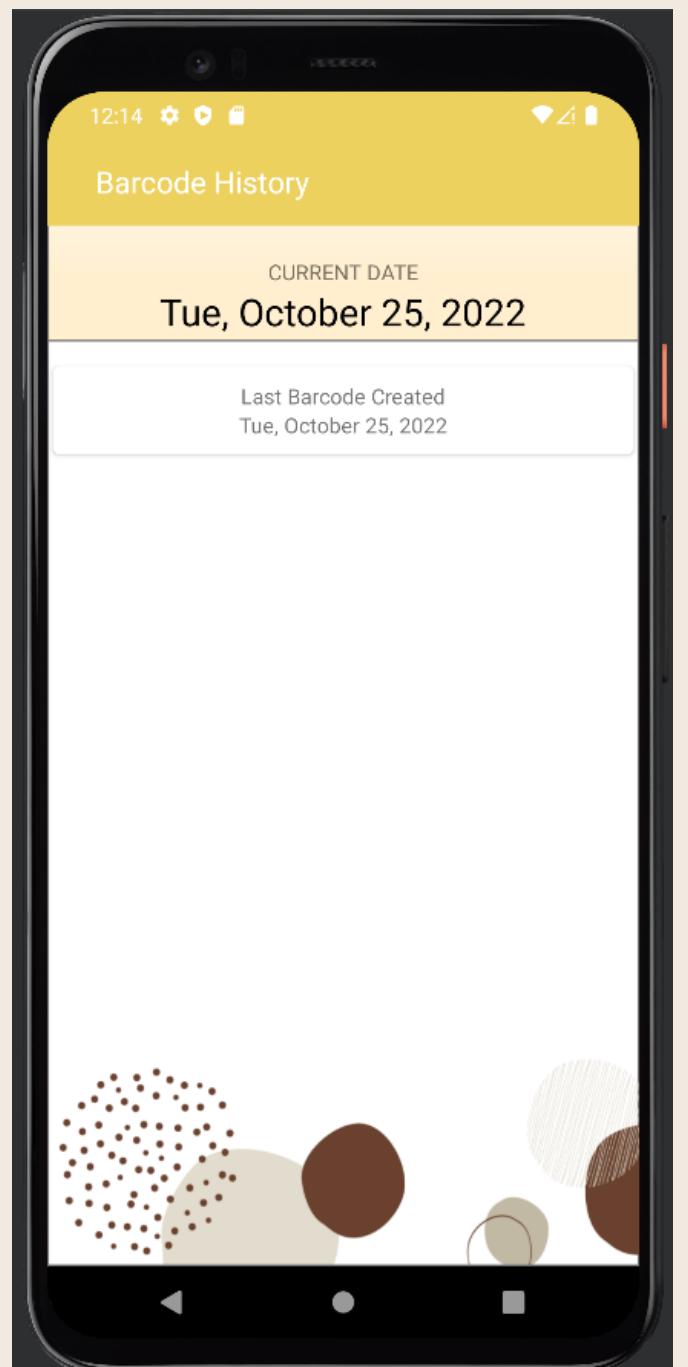
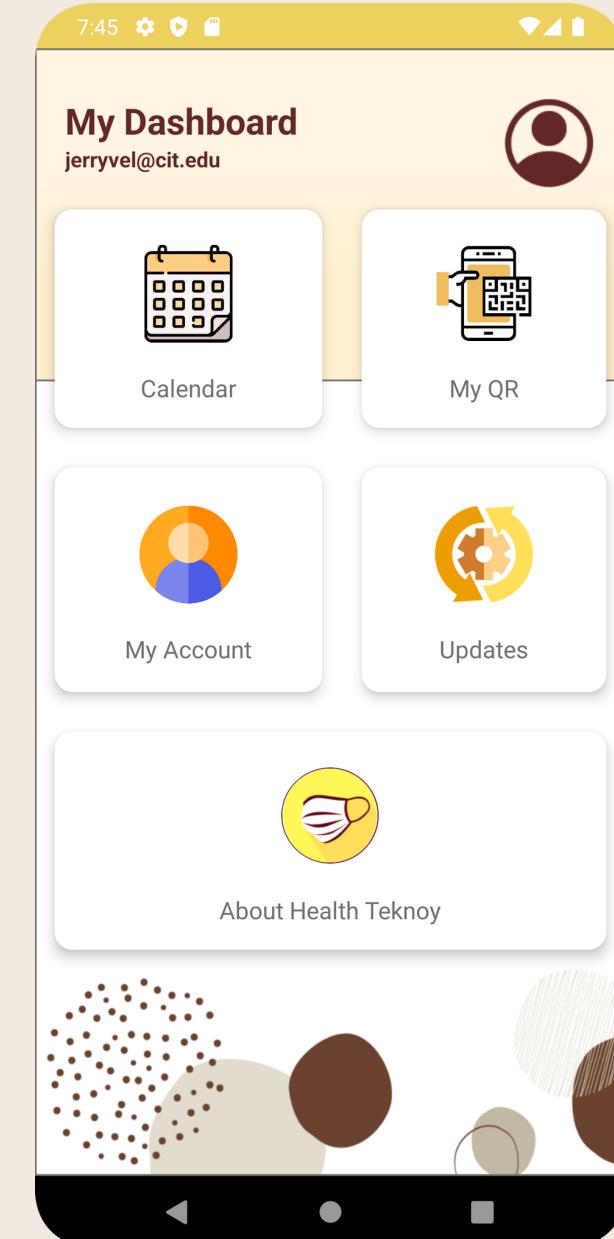
INSTITUTIONAL EMAIL

PASSWORD

CONFIRM PASSWORD

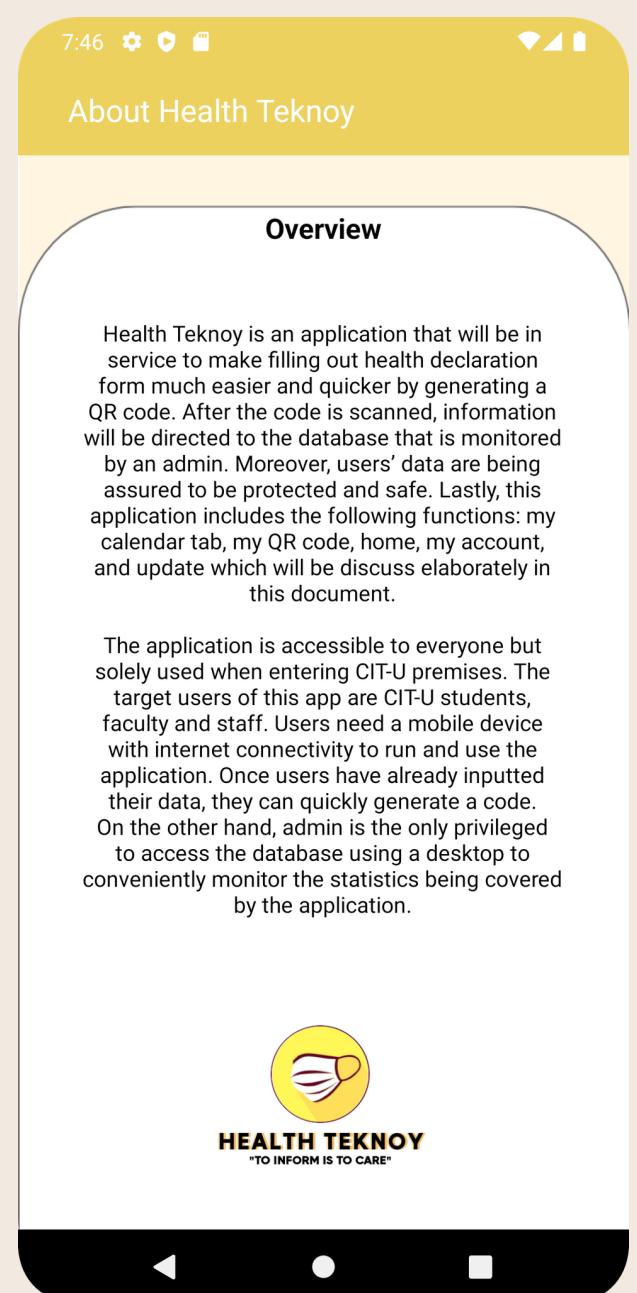
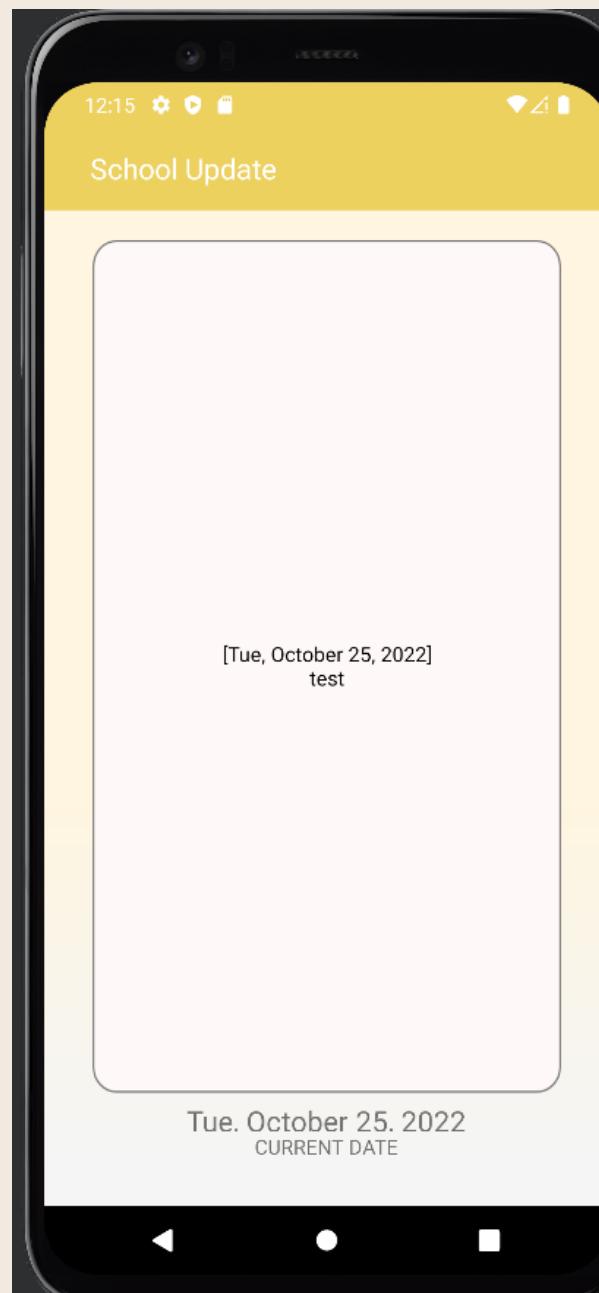
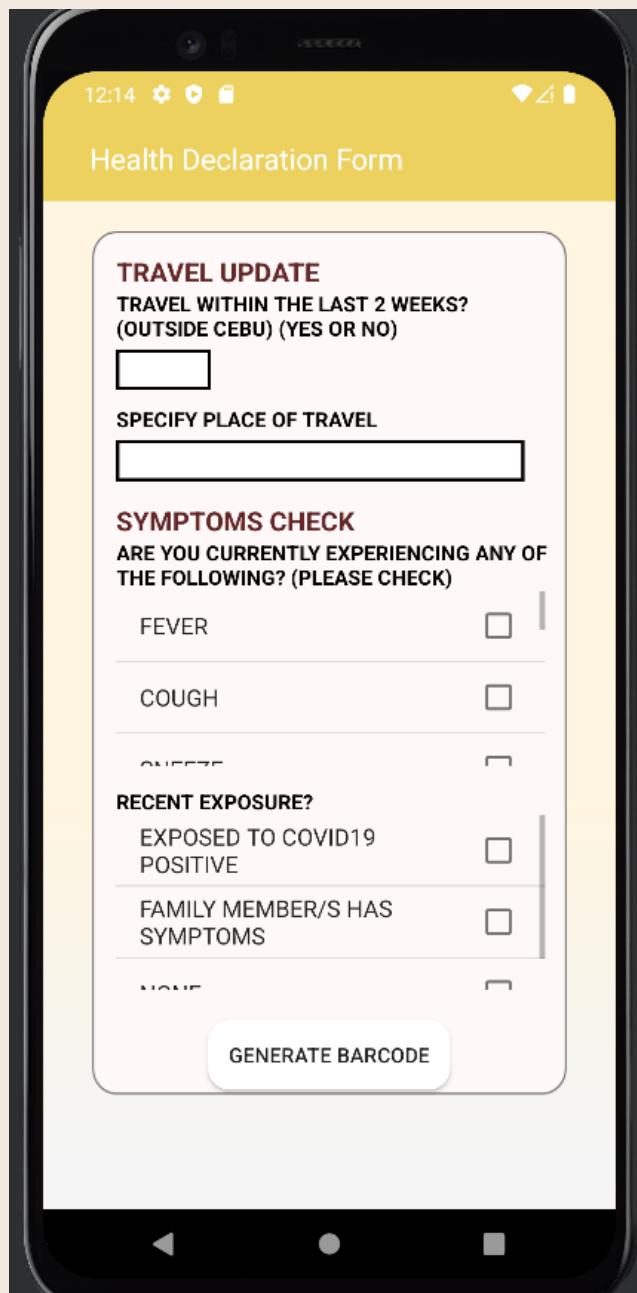
CREATE ACCOUNT

Already have an account? [Login](#)



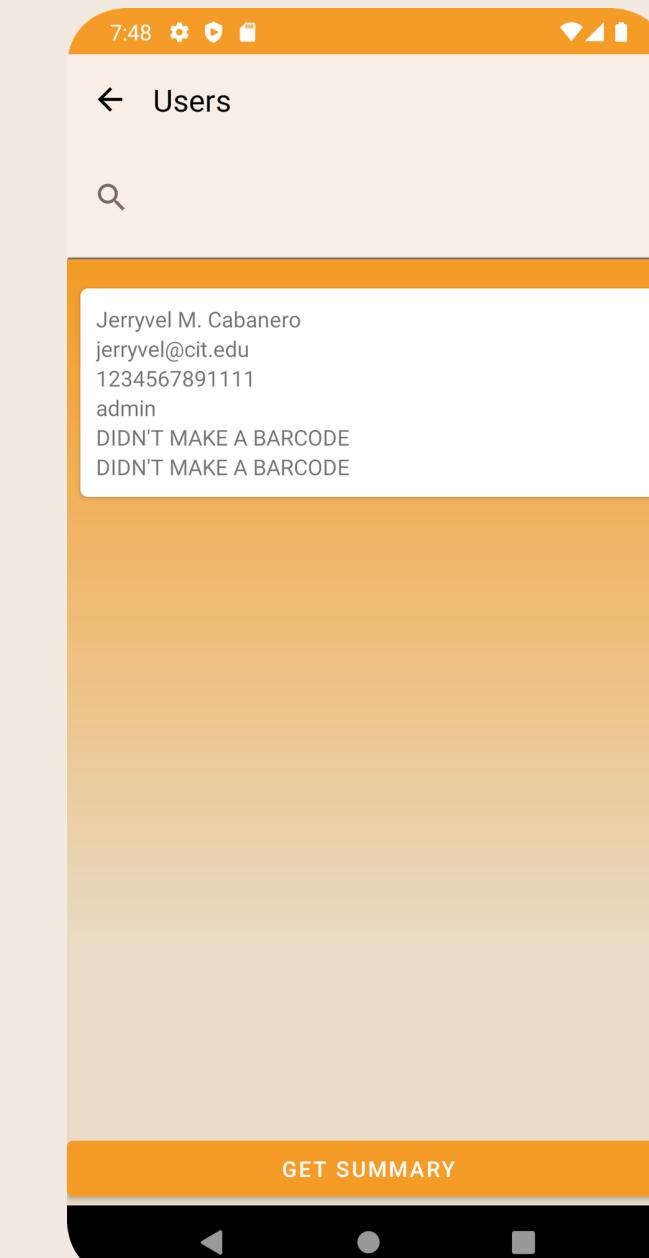
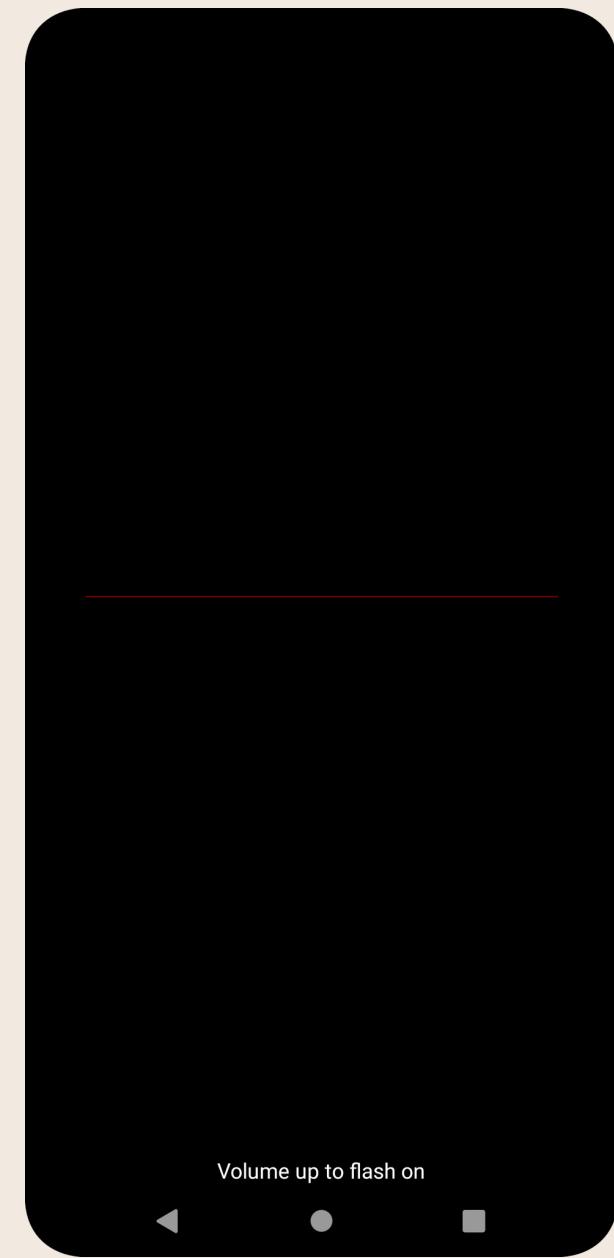
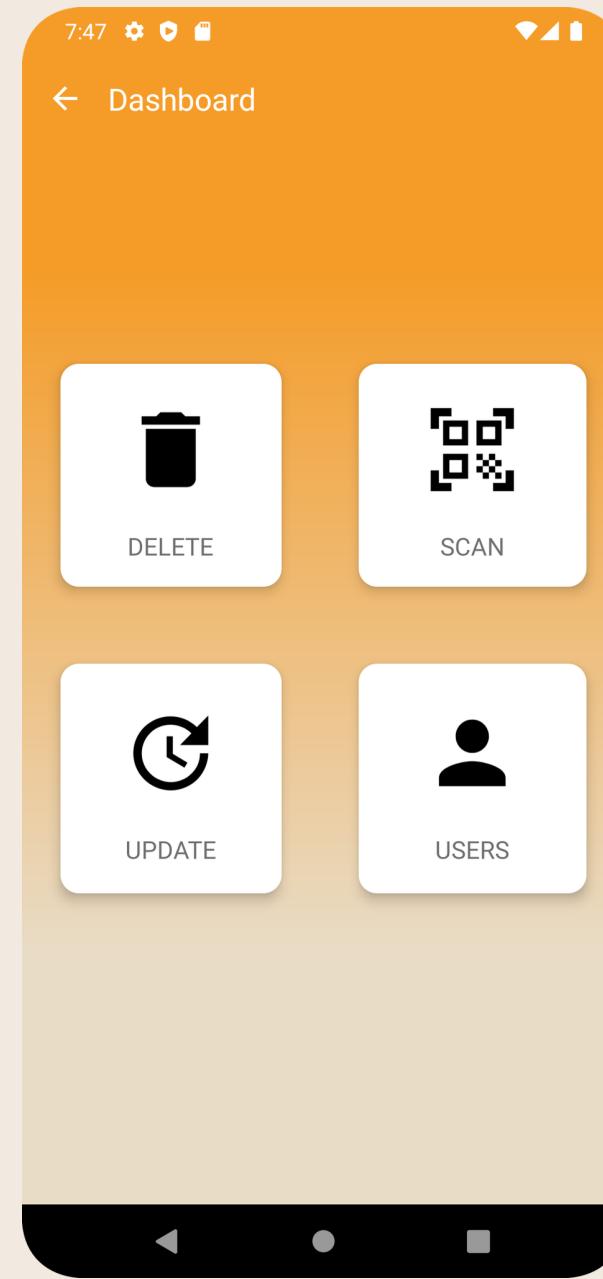
Graphical user interface

USER SIDE



Graphical user interface

ADMIN SIDE



Graphical user interface

ADMIN SIDE

7:48

Summary Report for
Tue, October 25, 2022

GENERAL INFORMATION

DECLINED BARCODE:	0
APPROVED BARCODE:	0
TOTAL BARCODE:	0

STATISTICS

USERS WITH SYMPTOMS:	0
USERS WITH EXPOSURE:	0
TOTAL STATISTICS:	0

[THIS IS AN AUTO GENERATED
STATISTICS AND VALUES MAY CHANGE
OVER TIME]

7:54

Users

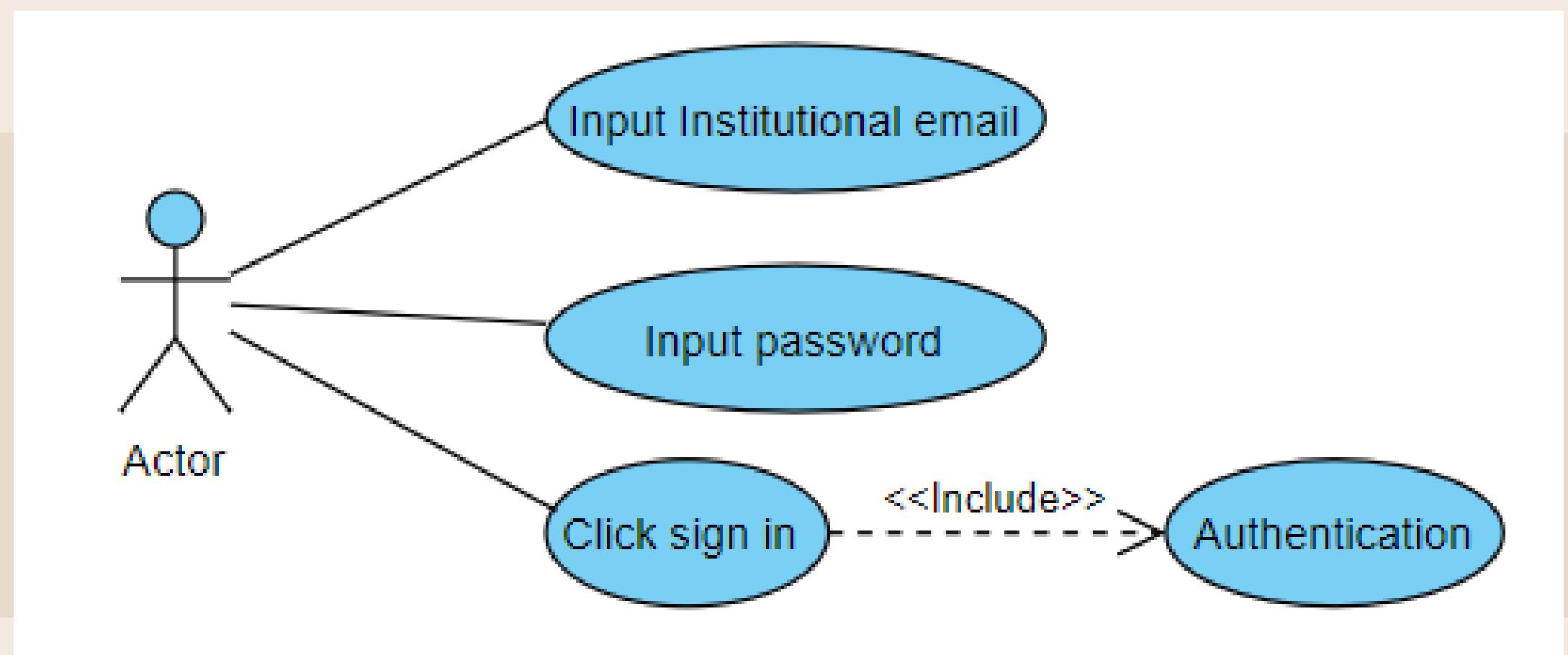
Jerryvel M. Cabanero
jerryvel@cit.edu
1234567891111
admin
without Recent Exposure
without Symptoms

admin2
cabanero@cit.edu
23456789111
admin2
with Recent Exposure
with Symptoms

admin22
cabanerojheb@cit.edu
12345678911
admin3
DIDN'T MAKE A BARCODE
DIDN'T MAKE A BARCODE

GET SUMMARY

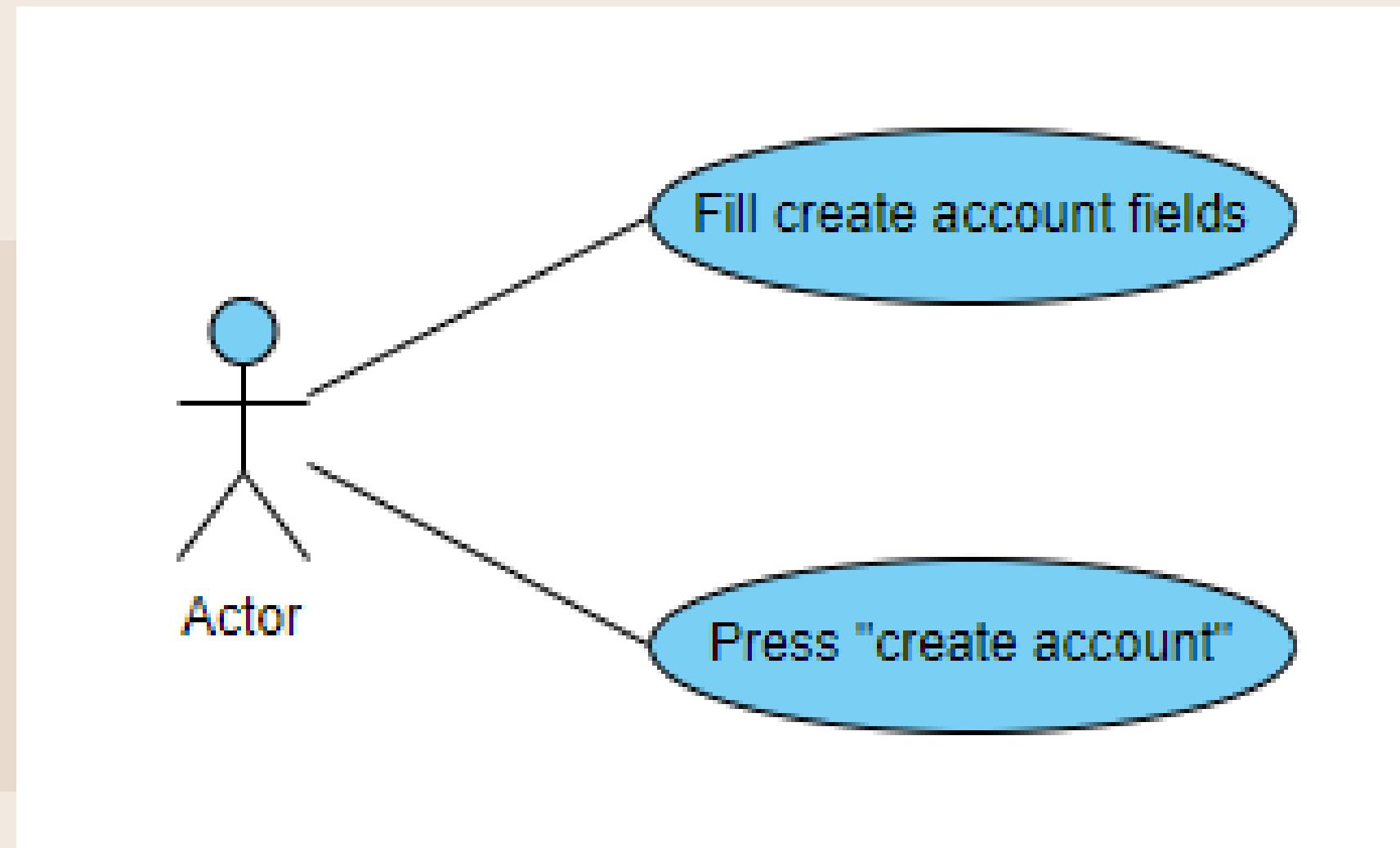
Use Case Diagrams



USER LOGIN USE CASE

User can either login or register. To forgot password, authenticate, or save login credentials, user must login. On the other hand, to authenticate institutional email and student ID, user must register.

Use Case Diagrams



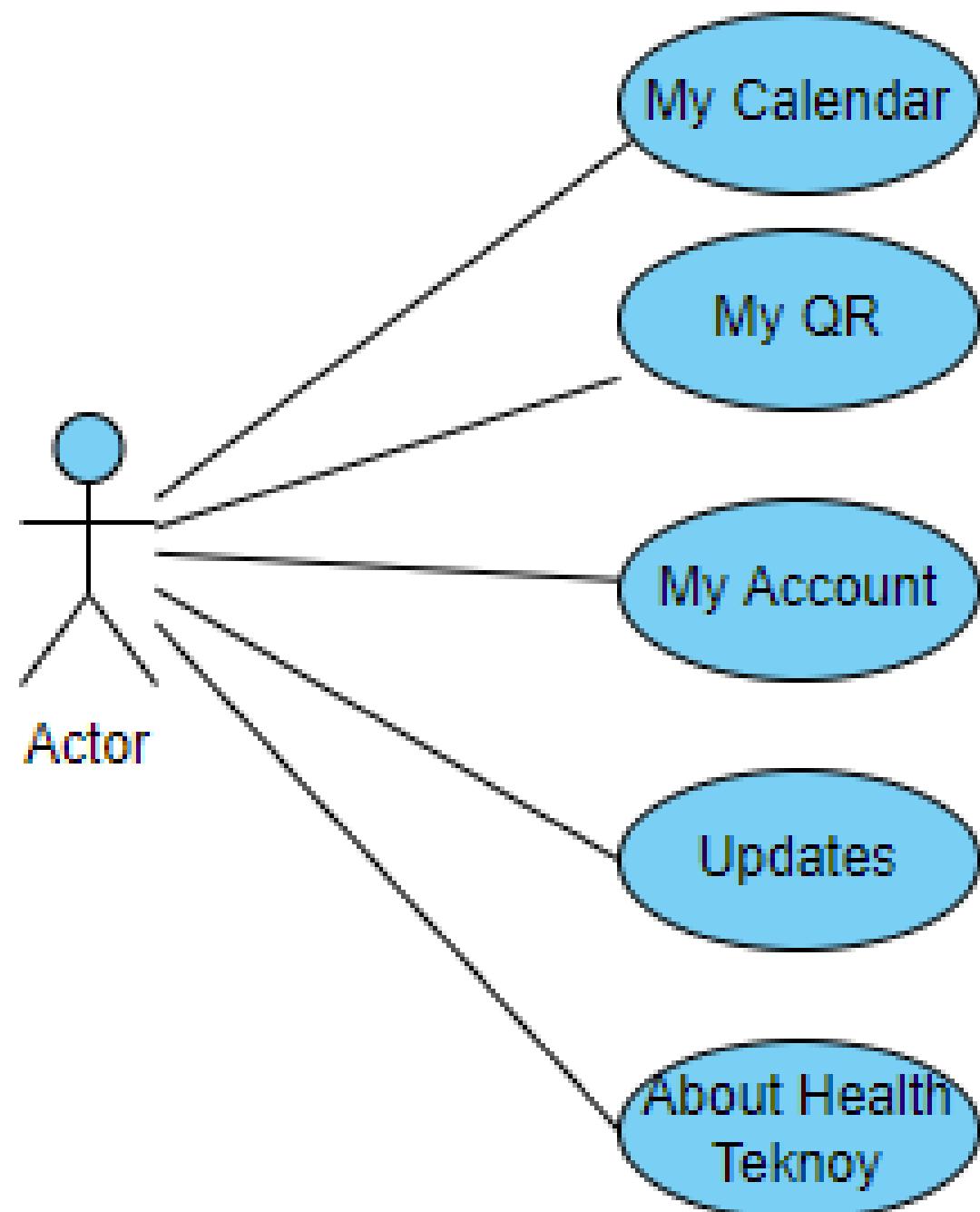
CREATE ACCOUNT USE CASE

Users can make or register a new account
for Health Teknoy App

Use Case Diagrams

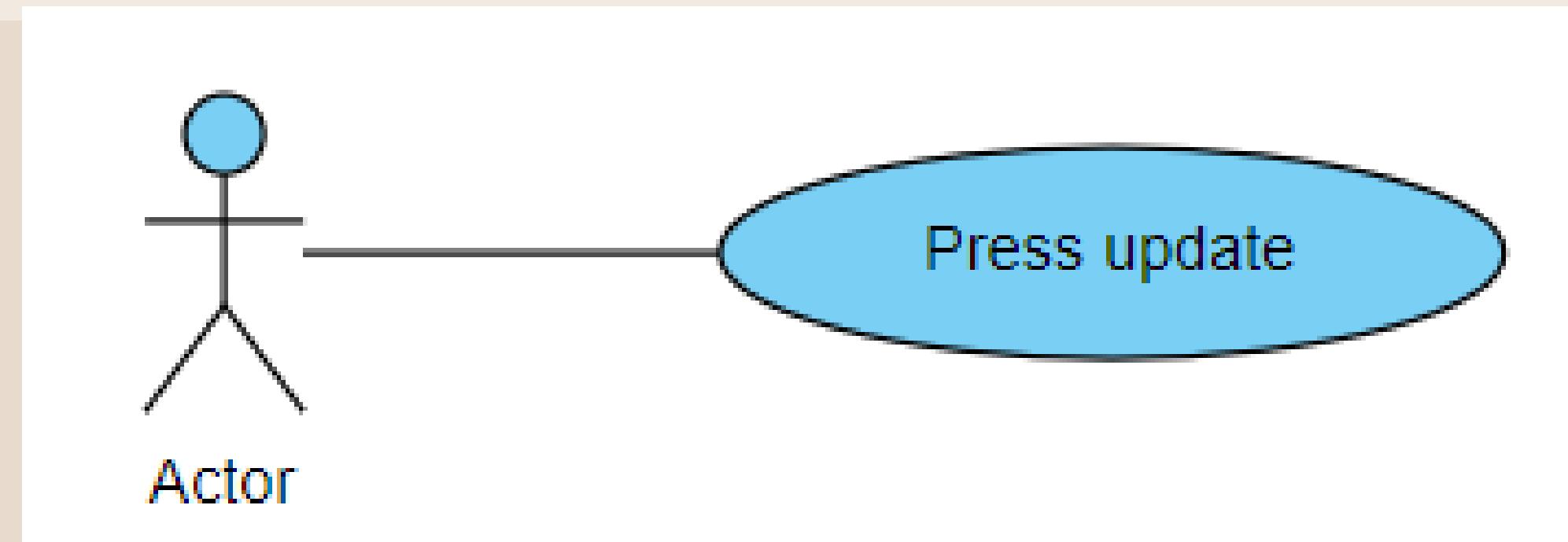
DASHBOARD USE CASE

Users has the access to press the following available buttons.



Use Case Diagrams

MY ACCOUNT USE CASE



Users should fill in empty fields in the my account tab

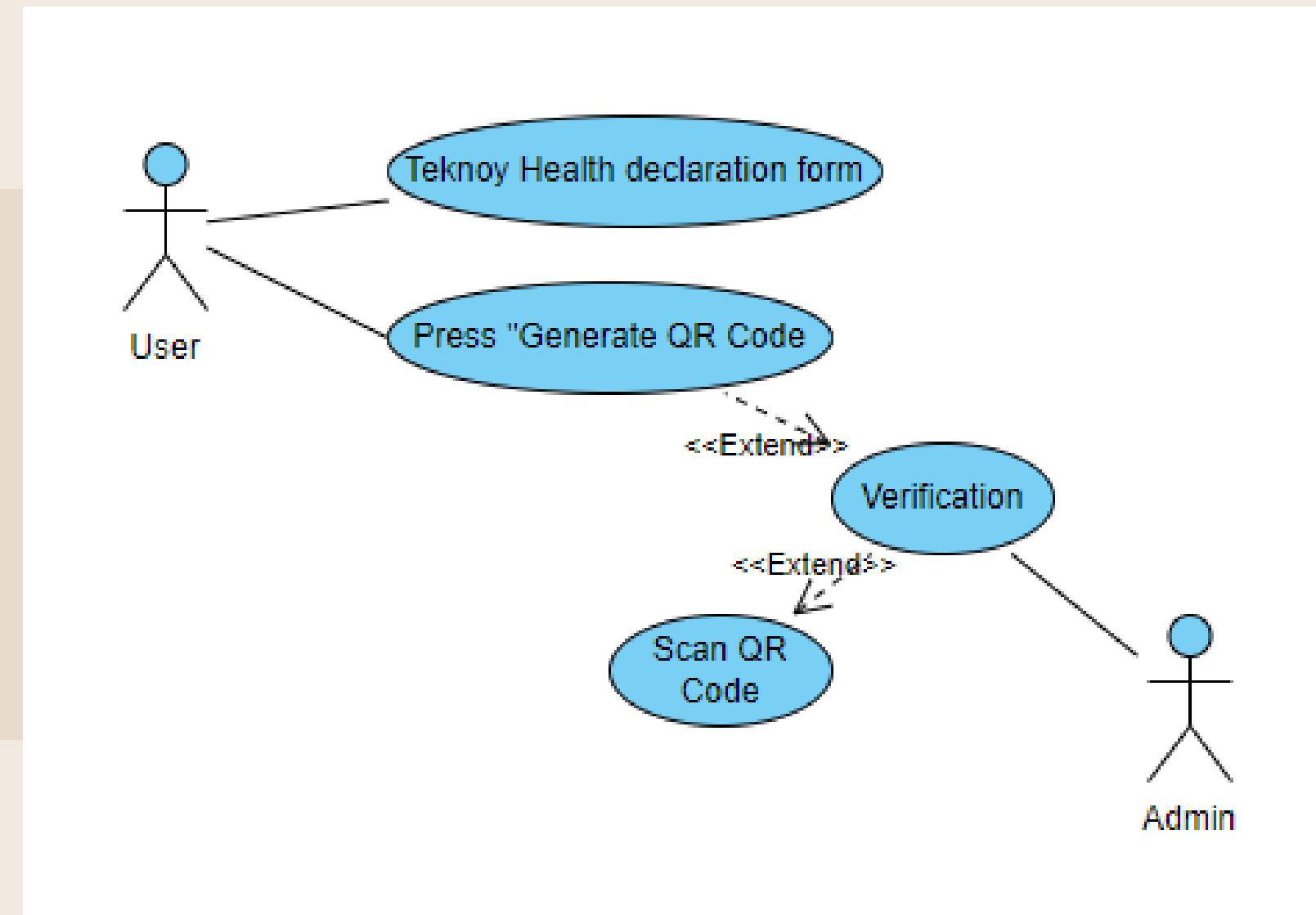
Use Case Diagrams



ABOUT HEALTH TEKNOY USE CASE

Users can view the overview content for Health Teknoy application

Use Case Diagrams

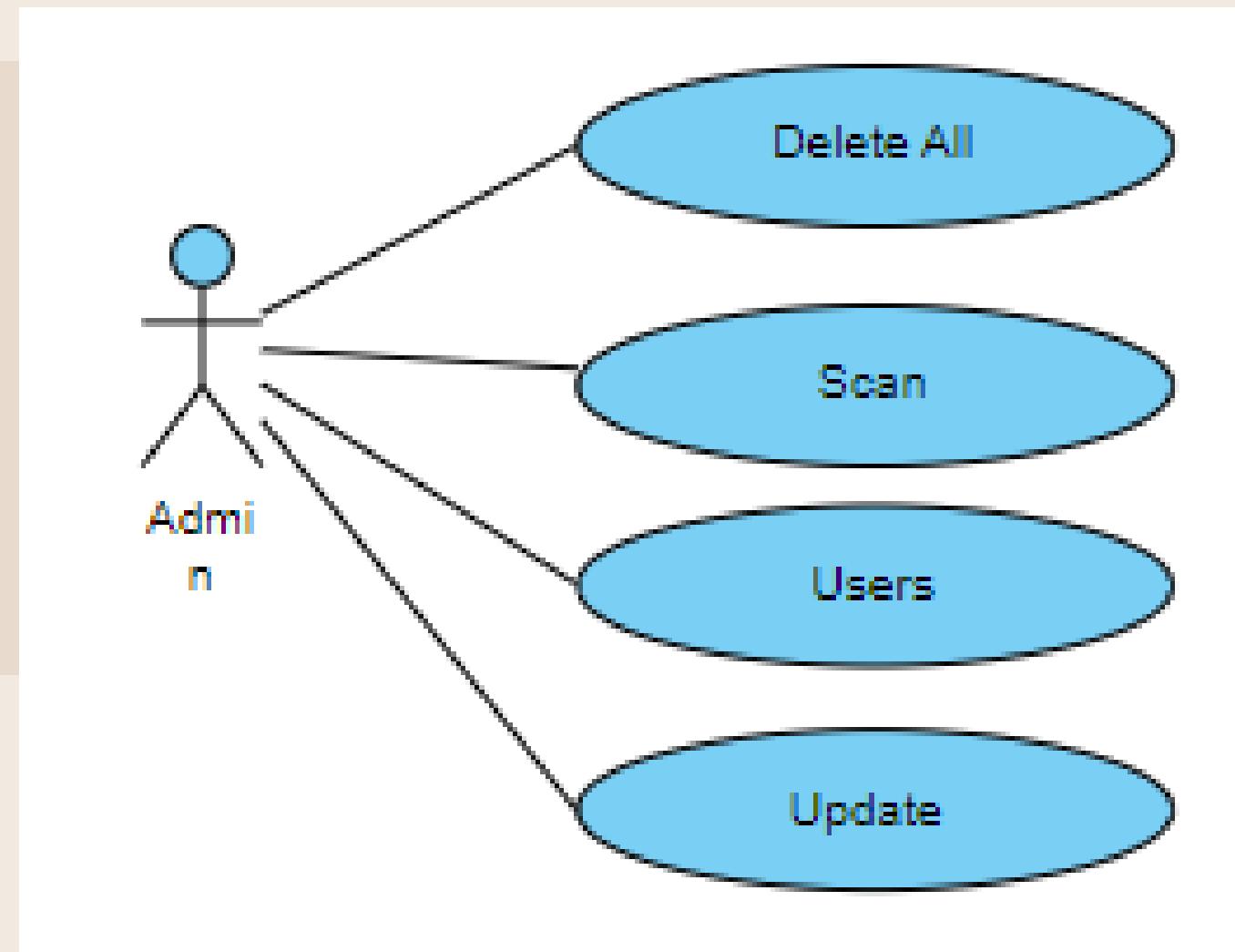


MY QR CODE USE CASE

Users have to fill in all the empty fields in the health declaration forms. Once pressed the "Generate QR" it will run a condition to see if all of the fields are completely filled.

On the other hand, the QR code generated will automatically be saved in the firebase database and the admin has to scan the said QR for verification.

ADMIN SIDE

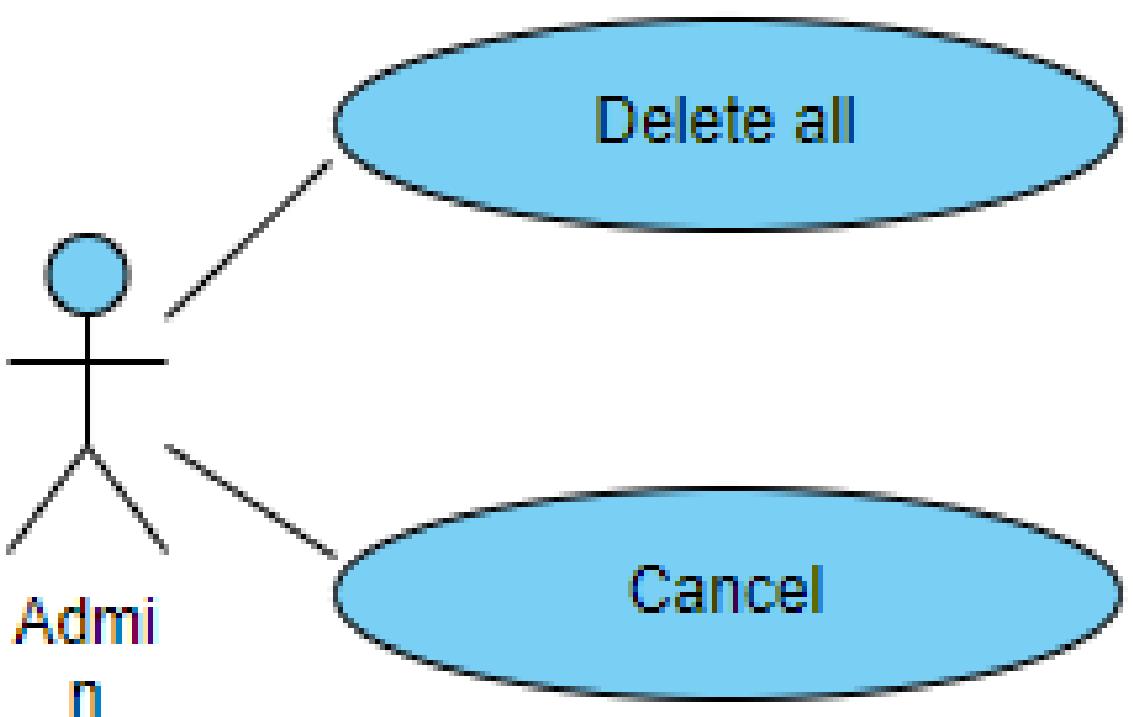


Use Case Diagrams

DASHBOARD USECASE

Users can press on the dashboard the 4 buttons for the admin side of the Health declaration form

ADMIN SIDE

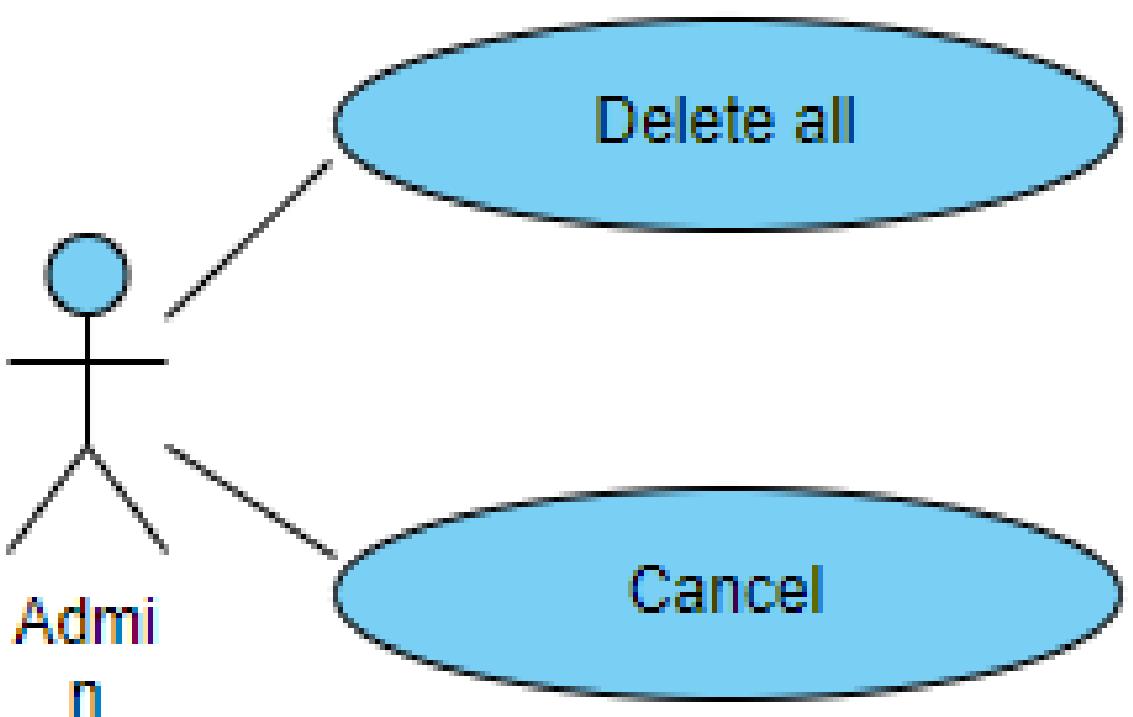


Use Case Diagrams

DELETE ALL USECASE

The admin has to delete all QR codes manually by the end of the day's class periods. This is to ensure that new QR codes will be utilized by the next day.

ADMIN SIDE

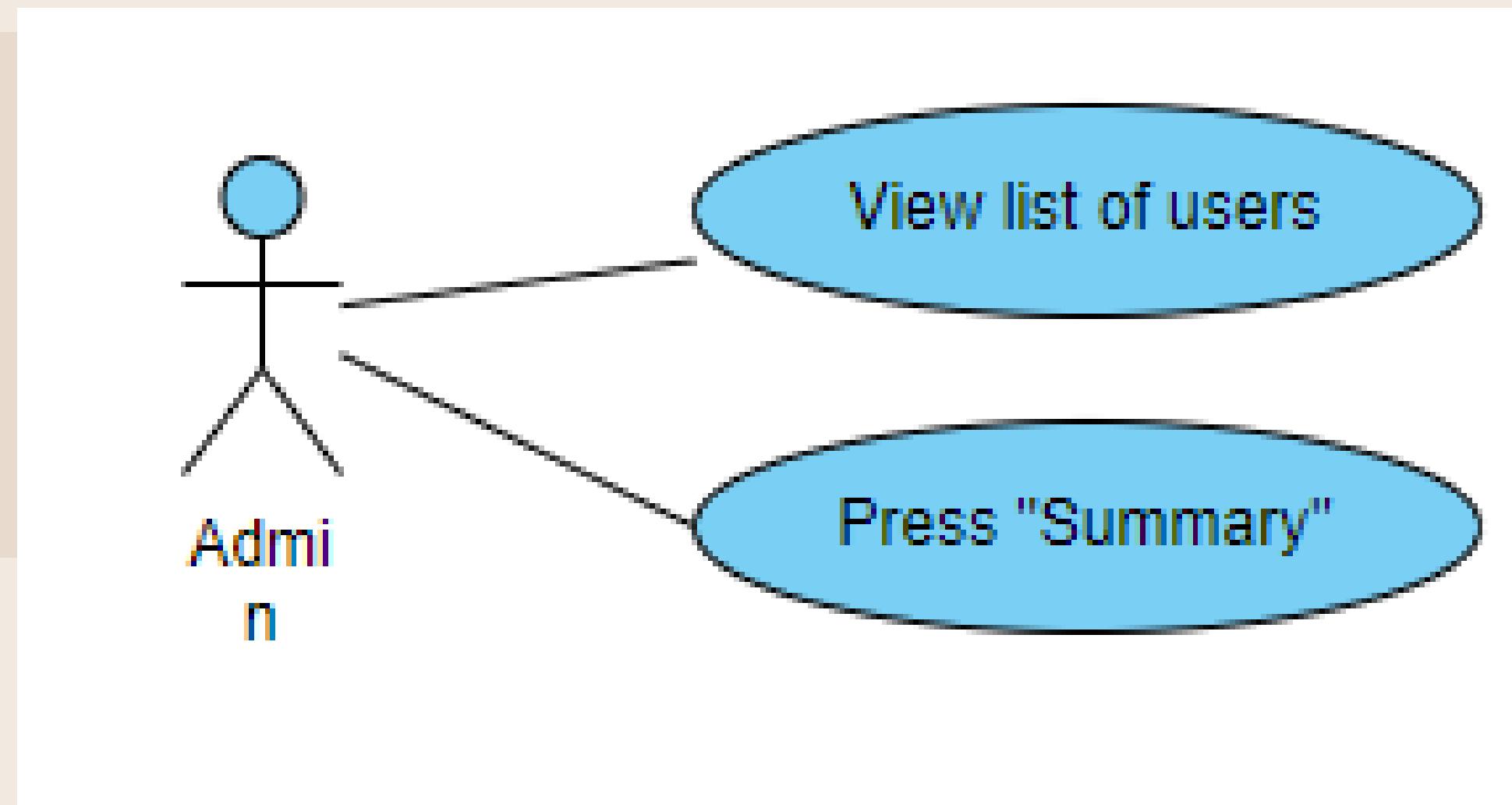


Use Case Diagrams

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ADMIN SIDE



Use Case Diagrams

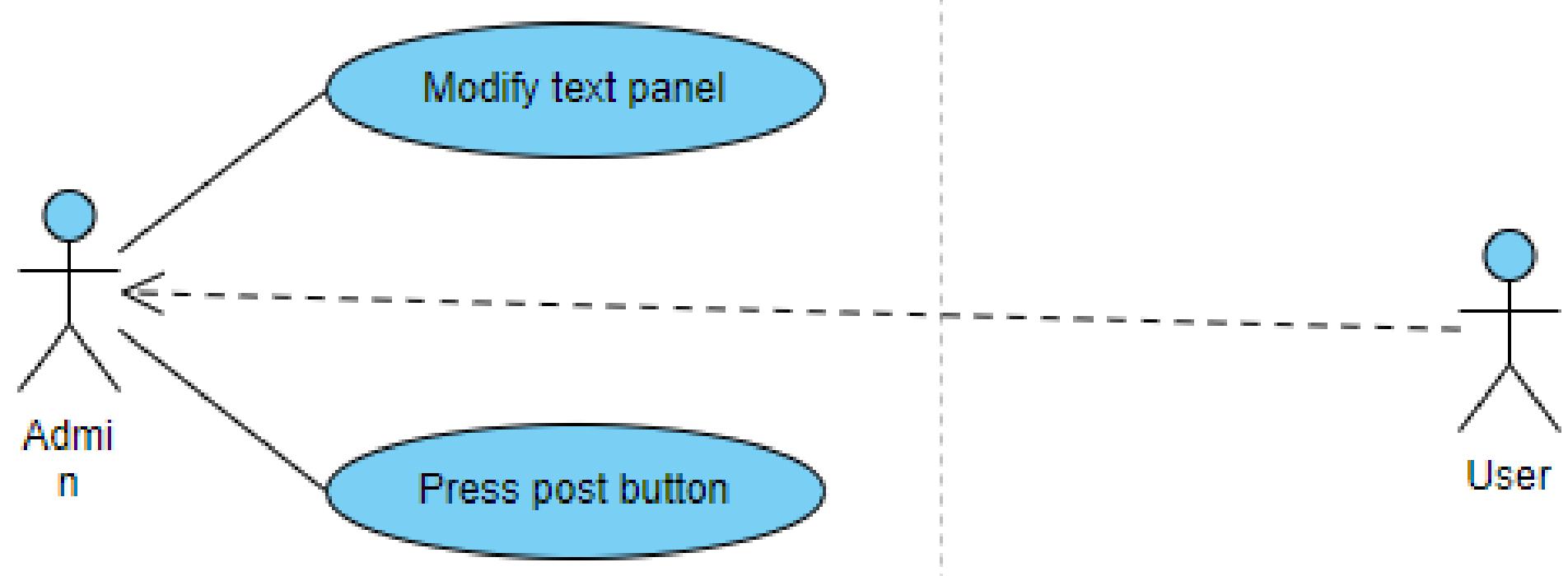
USER USECASE

the admin can navigate the color coded scheme of the list of users. Aside from that, the admin can press the "summary" so that the admin will have the appropriate information as to what is the exact statistics of the day's progress.

ADMIN SIDE

Use Case Diagrams

UPDATE USECASE



The admin can modify the text panel and right away will do post the announcement with the press of a button.



HEALTH TEKNOY

THANK YOU