



TEAM

Ignacio Flores: Backend &
Hardware Specialist

JohnPaul Flores: Frontend
Specialist

APPLICATION DESCRIPTION

The purpose of the program is to create a virtual classroom that allows the professors to visually see which students have signed in using their RFID cards, which then allows the professors set and view if other students may have been contacted with a student with COVID. Additionally, this software can also act as an attendance monitor, but the focus is the COVID contact tracing.

FUNCTIONAL REQUIREMENTS

Needs to scan RFID cards and learn who it is

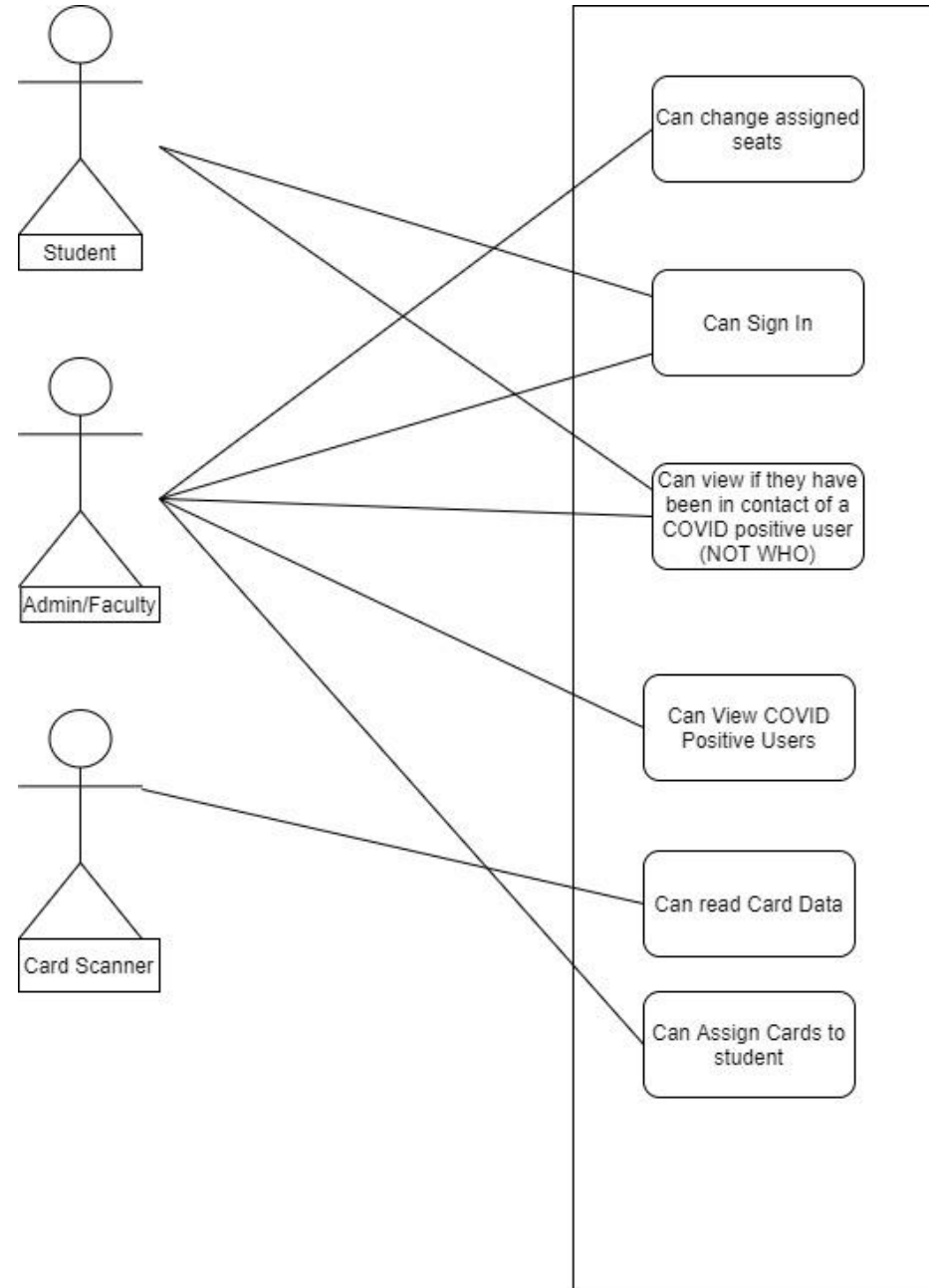
Needs to show users in classroom

Needs to add and remove from database when needed

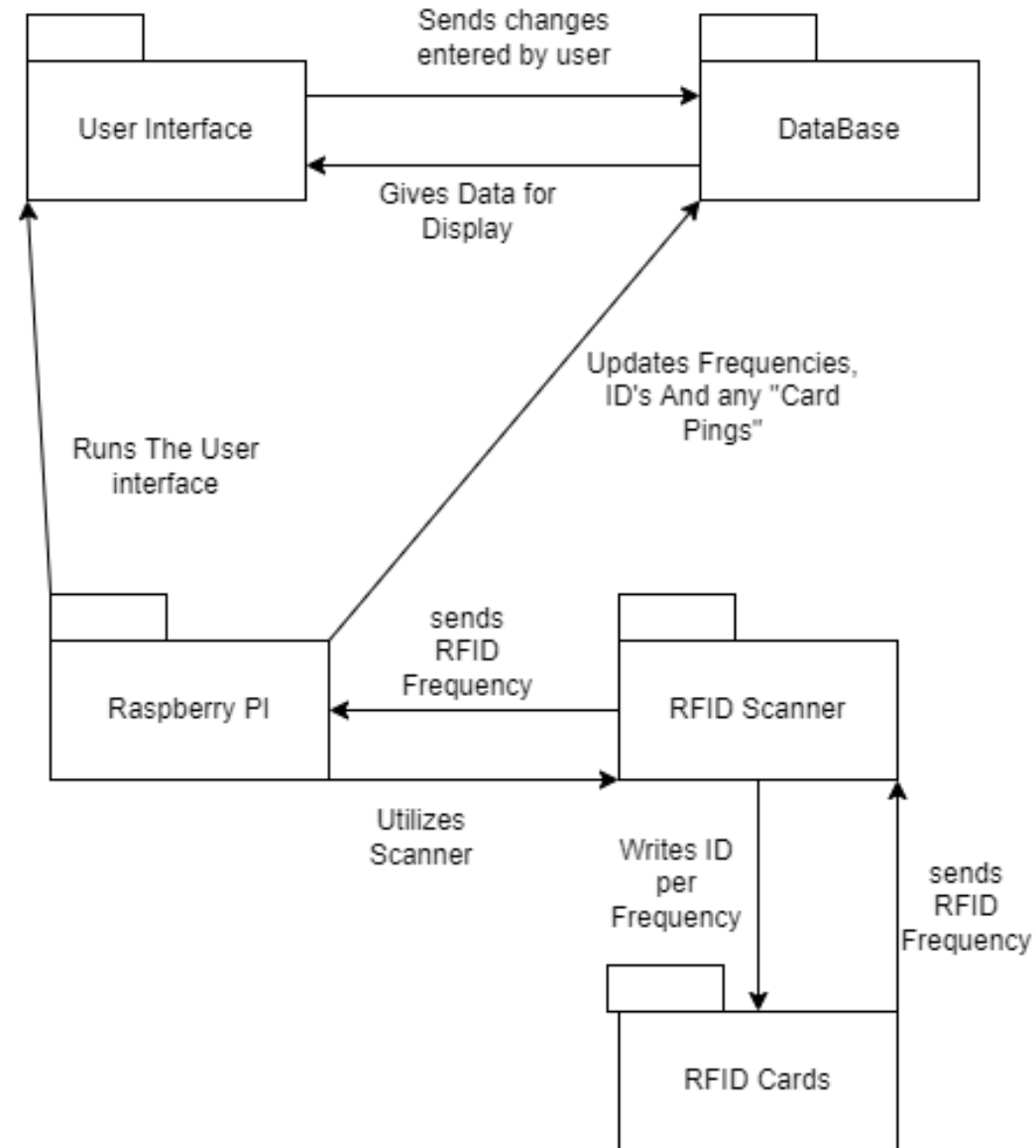
Needs to let user(specifically Admins) navigate around GIU

PI needs to run GUI and the database in background

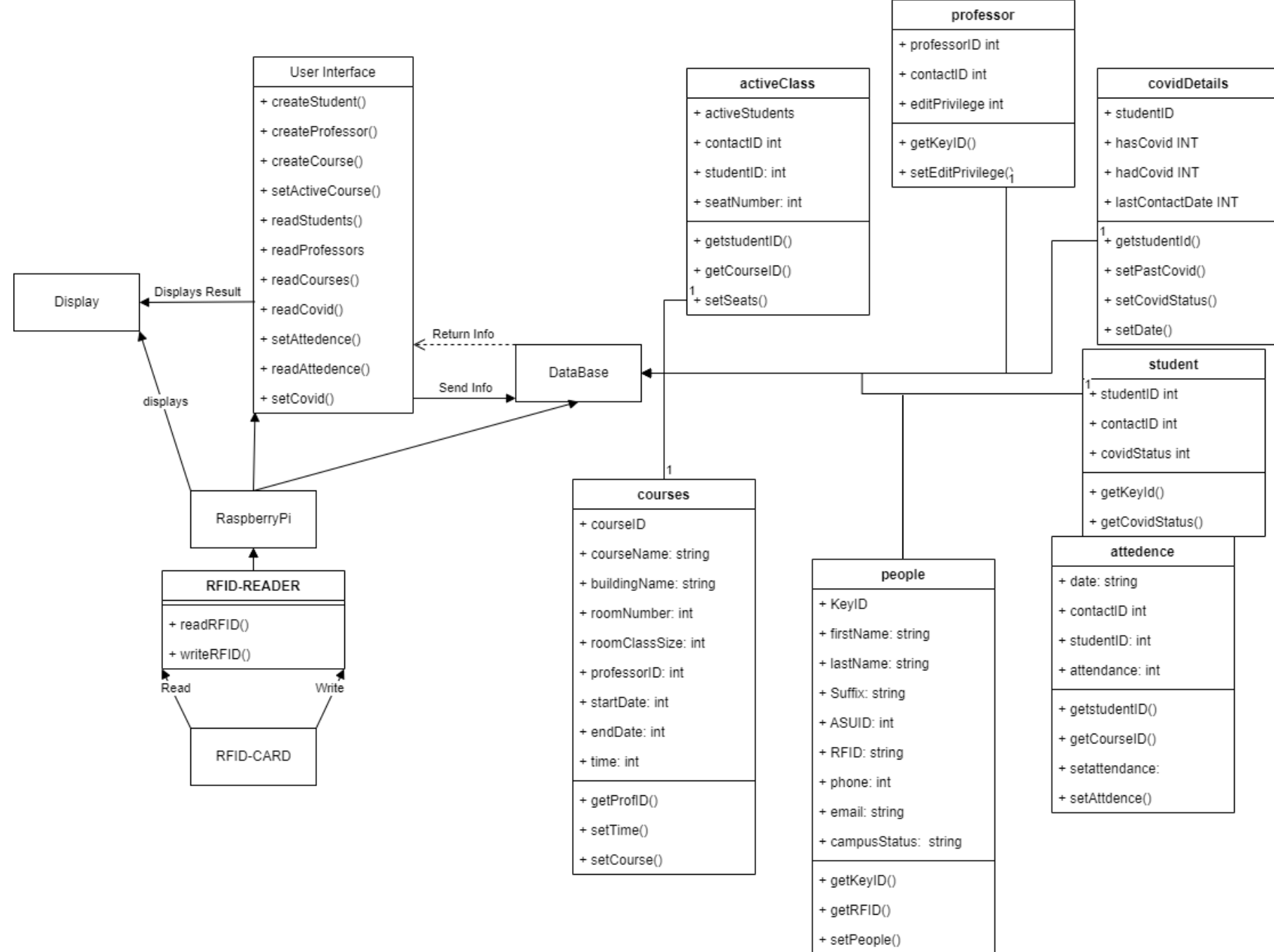
USE CASES



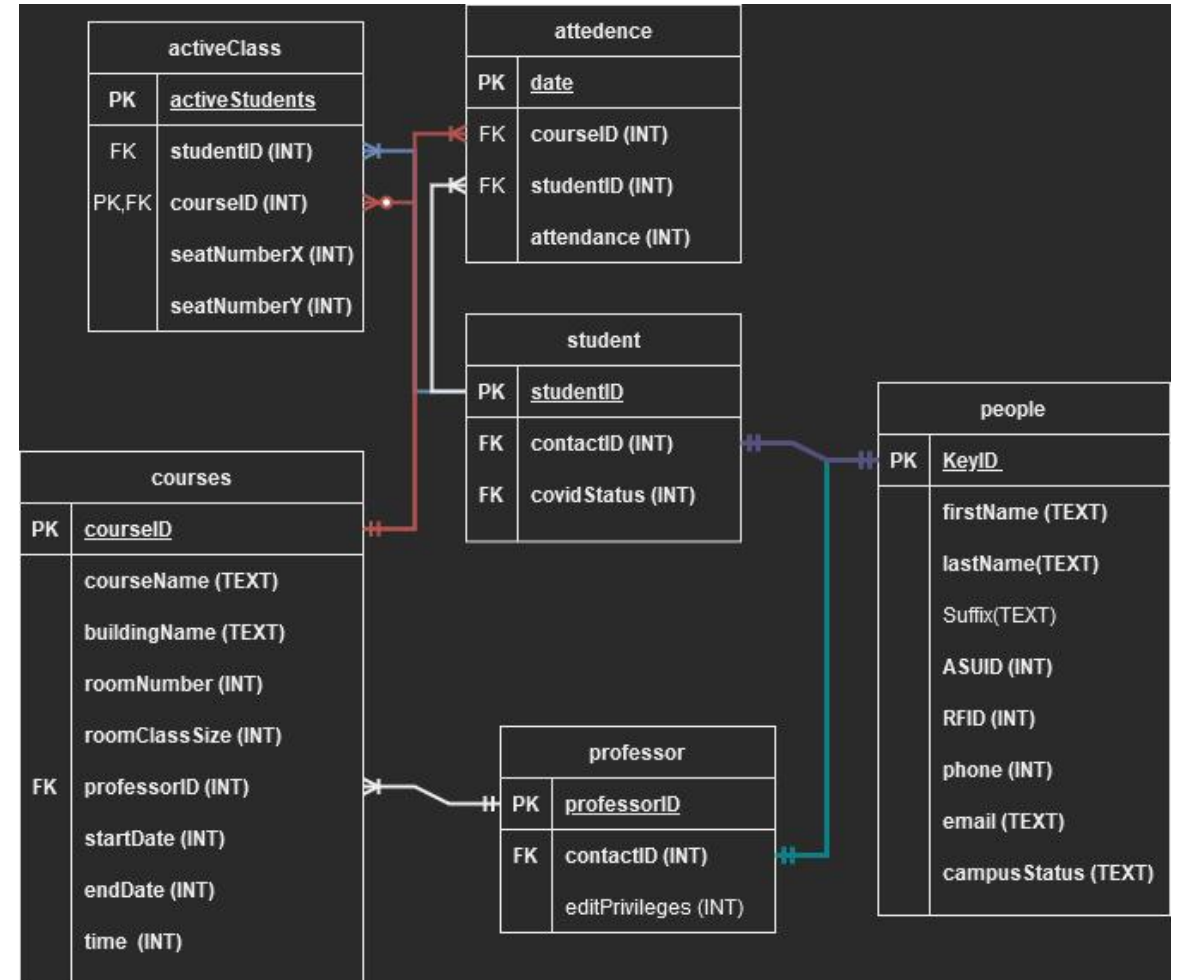
SUBSYSTEMS



CLASS DIAGRAM



DATA MANAGEMENT



GITHUB

GUICode.py: lines – 862 (JP 90% Ignacio 10%)

MainClient.py: lines – 103 Ignacio

dataBaseCode.py: lines - 485 Ignacio

Class.py: lines-27 Ignacio



DEMO