Shared Class Notebook

Vincent Mac and Nicholas Chin
CSE 111-01, Professor Rusu

System Description

Database that allows students and their professors to add, update, and view each others notes within their respective classes.

- Using a standard SQLite3 database and accessing the database with Python
- Human interaction with python code is conducted through terminal

Implementation Details

- Integrated Development Environment (IDE)
  - Microsoft Visual Studio Code
- Database
  - SQLite3 Database
- Language
  - SQLite3
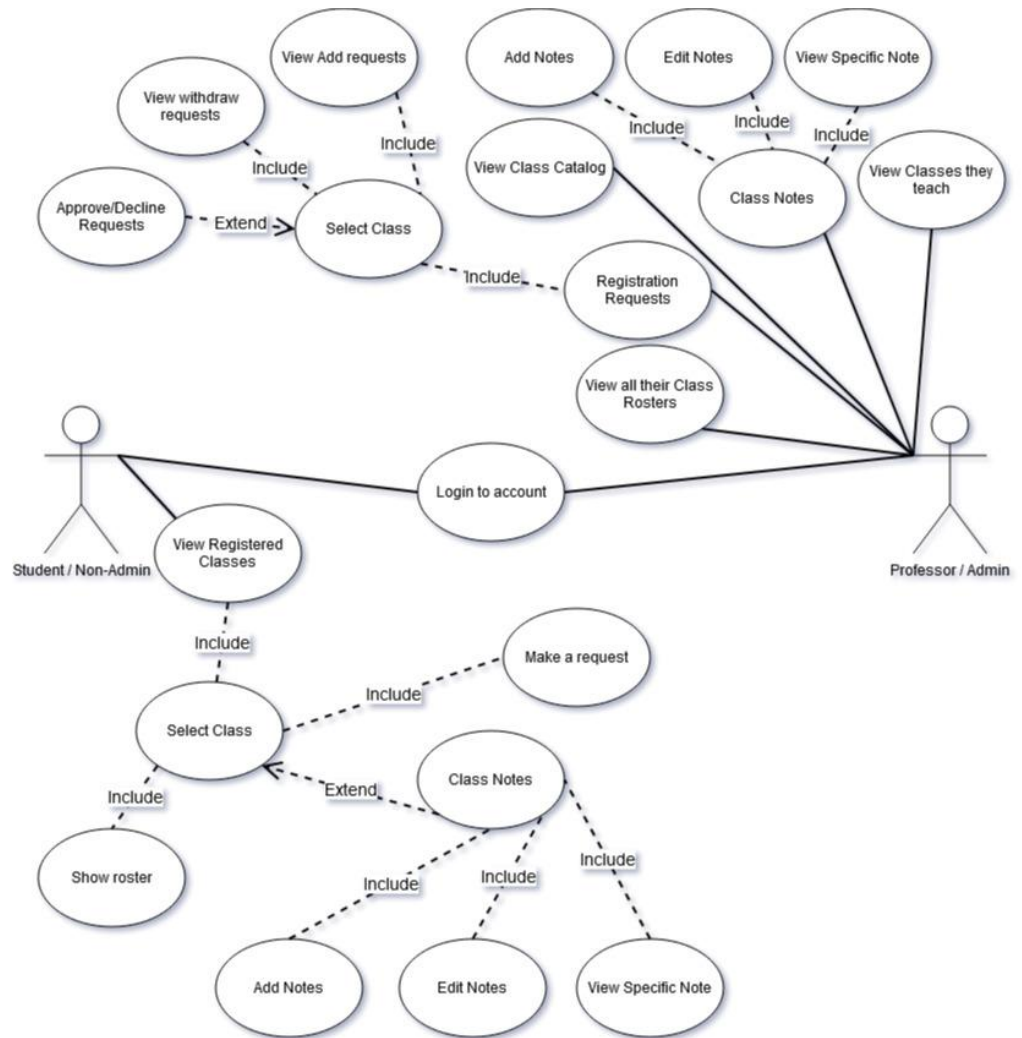 - Python

Important Use Cases

Students

- Accessing note folders for your classes made by your professor or peers
- Ability to see folders of all of your registered classes
- View, upload, edit notes from your peers or professor
- Request to join a different class
- See who is in your classes
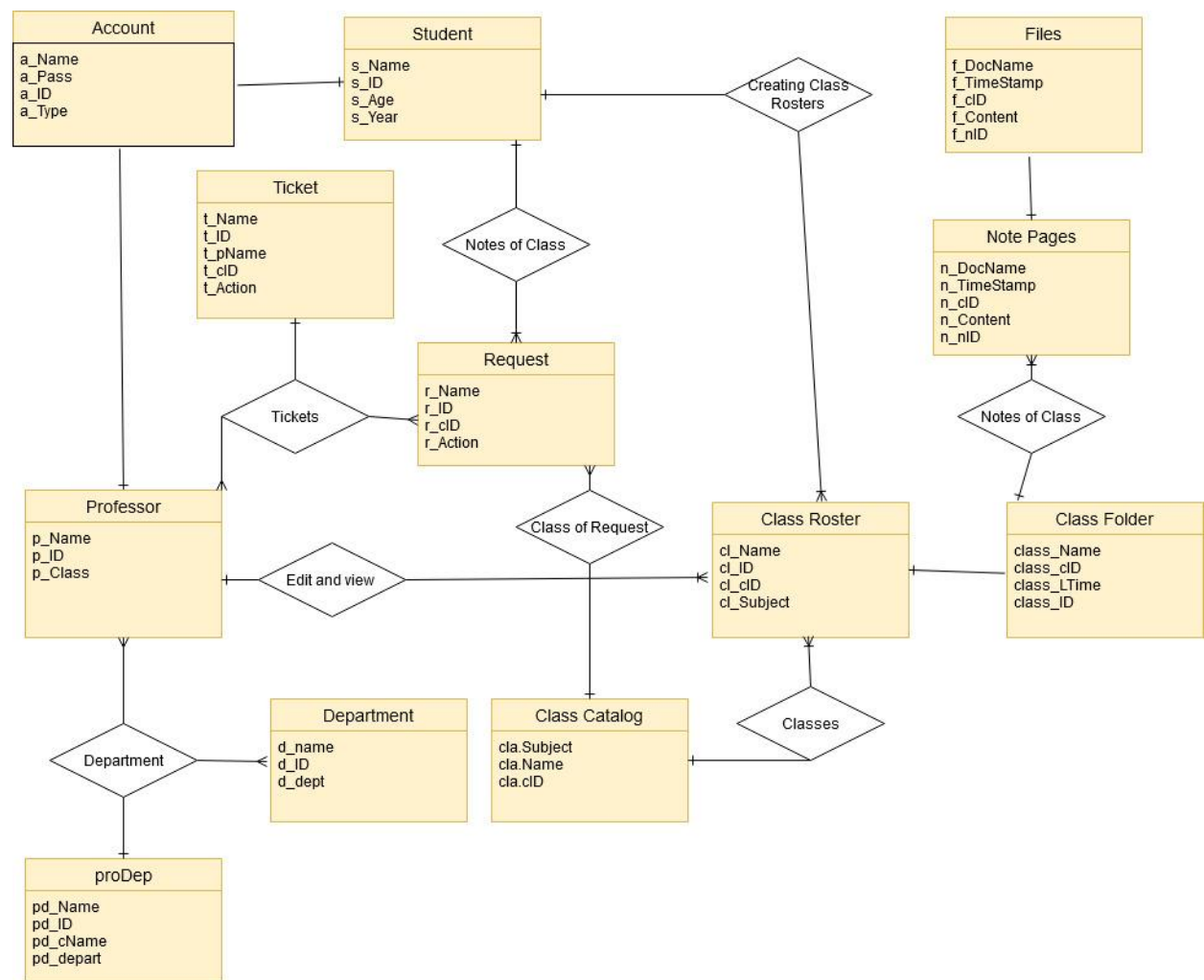
Important Use Cases

Professor

- Ability to upload and edit class notes or documents for viewing
- Act as the administrator for their class database
- View/Accept requests to Join class
- View Classes they Teach
- View Class roster

Use Case Diagram

E/R Diagram

Relational Schema

Account

a_name varchar(50)
A_pass varchar(5)
a_ID int
a_type varchar(50)

STUDENT

s_name varchar(50)
s_ID Unsigned int
s_age Unsigned int
s_year Unsigned int

Request

r_Name varchar(50)
r_ID int
r_cID int
r_pName varchar(50)
R_action varchar(50)

Ticket

t_Name varchar(50)
t_ID int
t_cID int
t_pName varchar(50)
R_action varchar(50)
t_pID Int

NOTE PAGES

n_docName varchar(50)
n_timeStamp text
n_cID Unsigned int
n_content text
n_nID int

files

n_docName varchar(50)
n_timeStamp text
n_cID Unsigned int
n_content text
n_nID int

PROFESSOR

p_name varchar(50)
p_ID Unsigned int
P_class Unsigned int

department

d_name varchar(50)
d_ID int
d_dept varchar(50)

proDep

pd_name varchar(50)
pd_ID int
pd_cName varchar(50)
pd_dept varchar(50)

CLASS FOLDER

class_name varchar(50)
class_cID Unsigned int
class_LTime text

CLASS ROSTER

Cl_name varchar(50)
cl_ID Unsigned int
cl_cID Unsigned int

CLASS CATALOG

cla_name varchar(50)
cla_cID Unsigned int