# Shared Class Notebook

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### 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
  - o SQLite3
  - Python

### Important Use Cases

#### **Students**

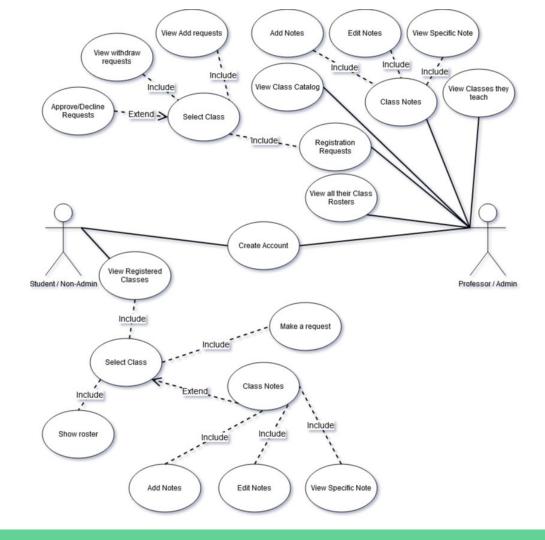
- Accessing note folders for your classes made by your professor or peers
- Ability to see folders of all of your registered classes
- View, upload, edit notes from your peers or professor
- Request to join a different class
- See who is in your classes

### Important Use Cases

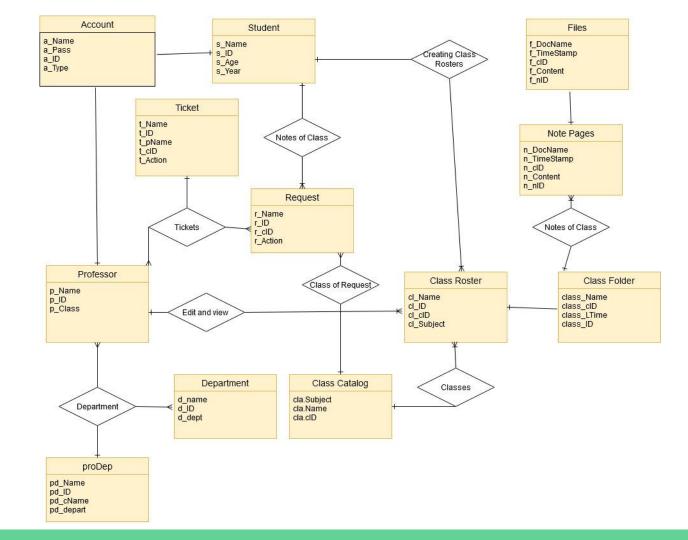
#### Professor

- 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

**STUDENT** 

a_name	s_name
varchar(50)	varchar(50)
A_pass	<b>s_ID</b>
varchar(5)	Unsigned int
a_ID int	s_age Unsigned int
a_type	s_year
varchar(50)	Unsigned int
d_ vard d_	name char(50)  _ID int _dept char(50)

Account

### **CLASSES REGISTERED** reg cName varchar(50) reg cID Unsigned int reg\_ID Unsigned int **Ticket** t Name varchar(50) t ID int

t cID int

t pName

varchar(50)

R action

varchar(50)

t pID Int

Request

r Name

varchar(50)

r\_ID int

r cID int

r pName

varchar(50)

R action

varchar(50)

# **CLASS FOLDER** class name varchar(50) class cID Unsigned int class\_LTime text **PROFESSOR**

p\_name

varchar(50)

p\_ID

Unsigned int

P cID

Unsigned int

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NOTE PAGES	
n_docName varchar(50)	
n_timeStamp text	
<b>n_cID</b> Unsigned int	
n_content text	
LASS ROSTER	
Cl_name varchar(50)	

cl ID

Unsigned int

 $cl\_clD$ 

Unsigned int

n_docName varchar(50)
n_timeStamp text
<b>n_cID</b> Unsigned int
n_content text

**CLASS CATALOG** 

cla name

varchar(50)

cla\_cID

Unsigned int

files