

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
 - SQLite3
 - Python

Important Use Cases

Students

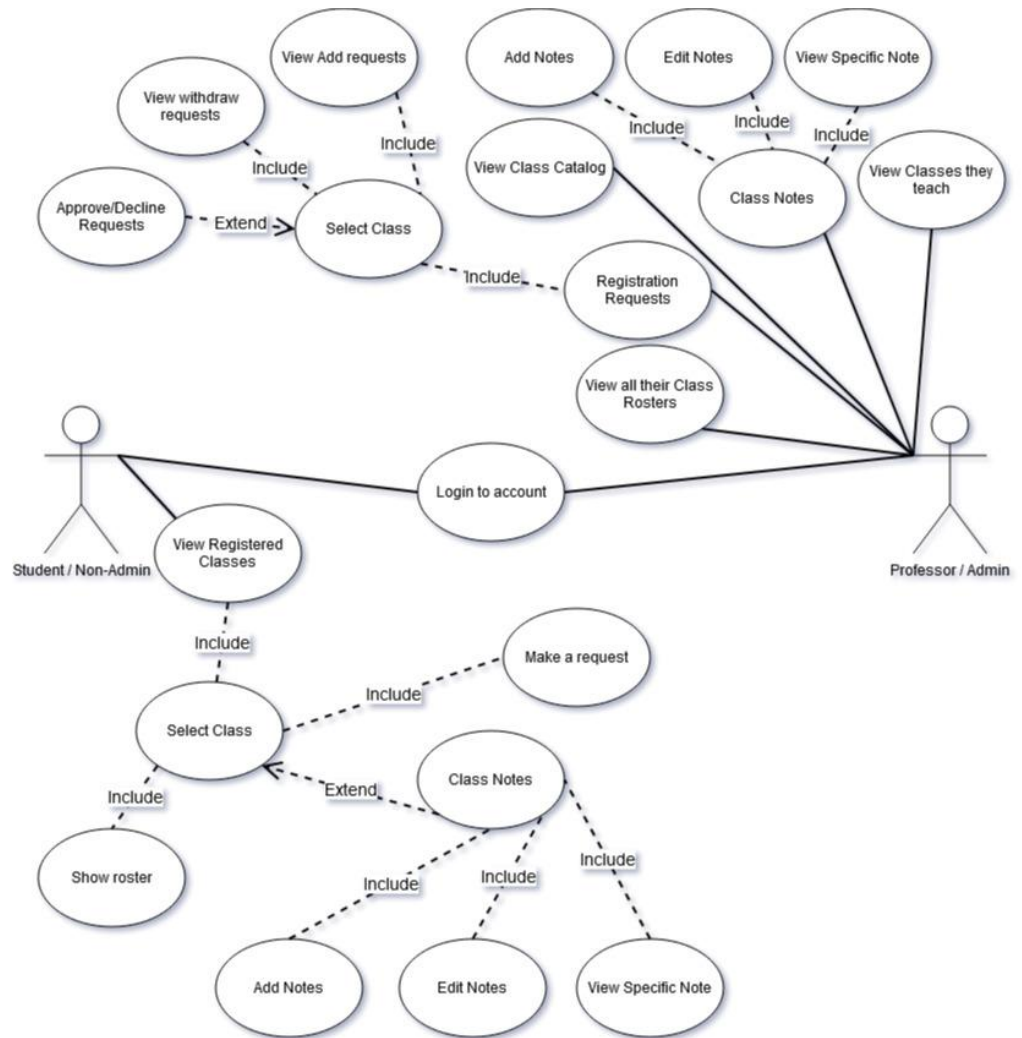
- Accessing note folders for your classes made by your professor or peers
- Ability to see folders of all of your registered classes
- View, upload, edit notes from your peers or professor
- Request to join a different class
- See who is in your classes

Important Use Cases

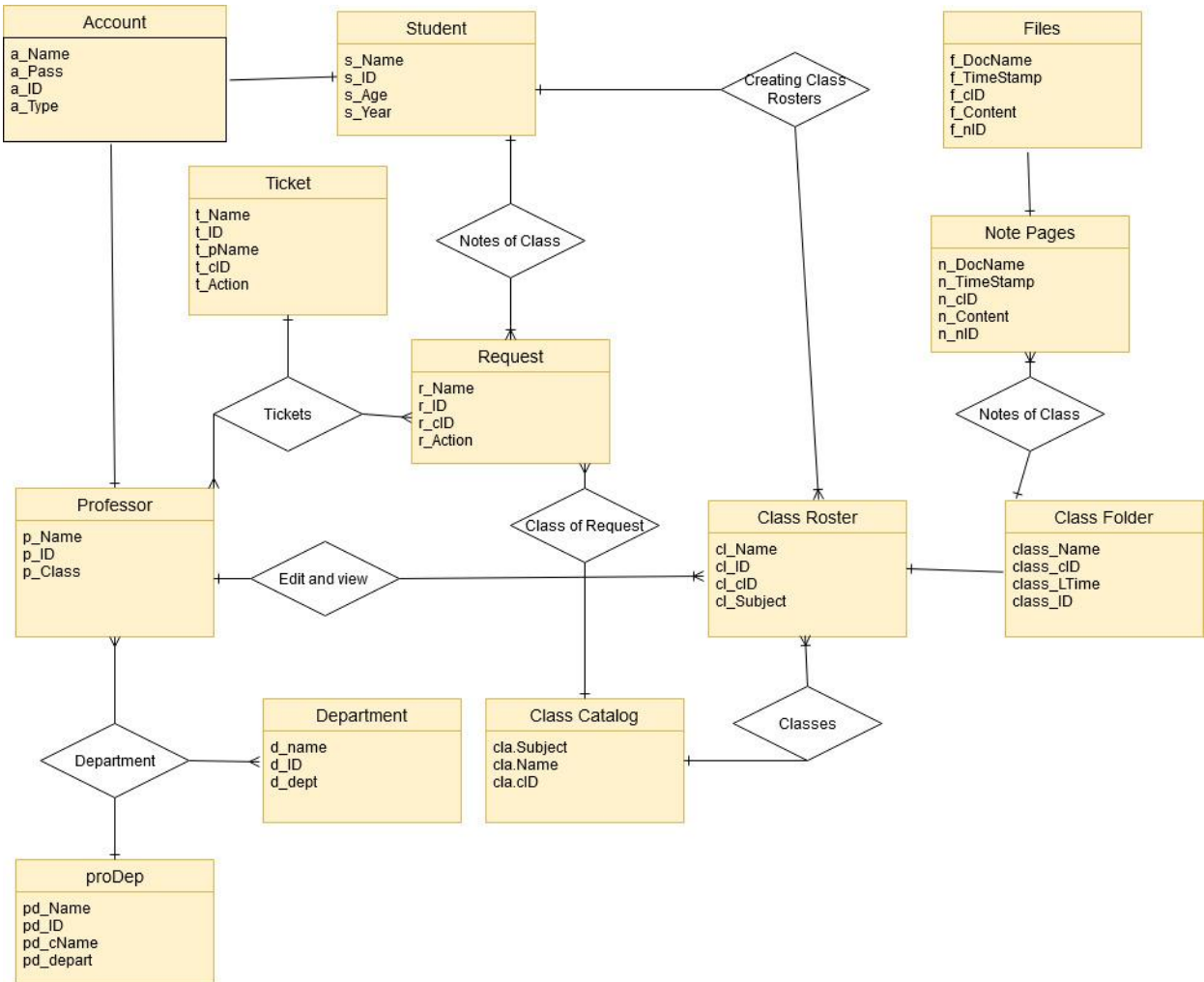
Professor

- 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

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

CLASSES REGISTERED
reg_cName varchar(50)
reg_clD Unsigned int
reg_ID Unsigned int

CLASS FOLDER
class_name varchar(50)
class_clD Unsigned int
class_LTime text

NOTE PAGES
n_docName varchar(50)
n_timeStamp text
n_clD Unsigned int
n_content text

files
n_docName varchar(50)
n_timeStamp text
n_clD Unsigned int
n_content text

Request	Ticket
r_Name varchar(50)	t_Name varchar(50)
r_ID int	t_ID int
r_clD int	t_clD int
r_pName varchar(50)	t_pName varchar(50)
R_action varchar(50)	R_action varchar(50)
	t_pID Int

PROFESSOR
p_name varchar(50)
p_ID Unsigned int
P_clD Unsigned int

CLASS ROSTER
Cl_name varchar(50)
cl_ID Unsigned int
cl_clD Unsigned int

CLASS CATALOG
cla_name varchar(50)
cla_clD Unsigned int