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 with javascript (node.js module)

Implementation Details

- Integrated Development Environment (IDE)
  - Microsoft Visual Studio Code
- Database
  - SQLite3 Database
- Language
  - SQLite3
  - HTML
  - CSS
  - Javascript (nodejs)
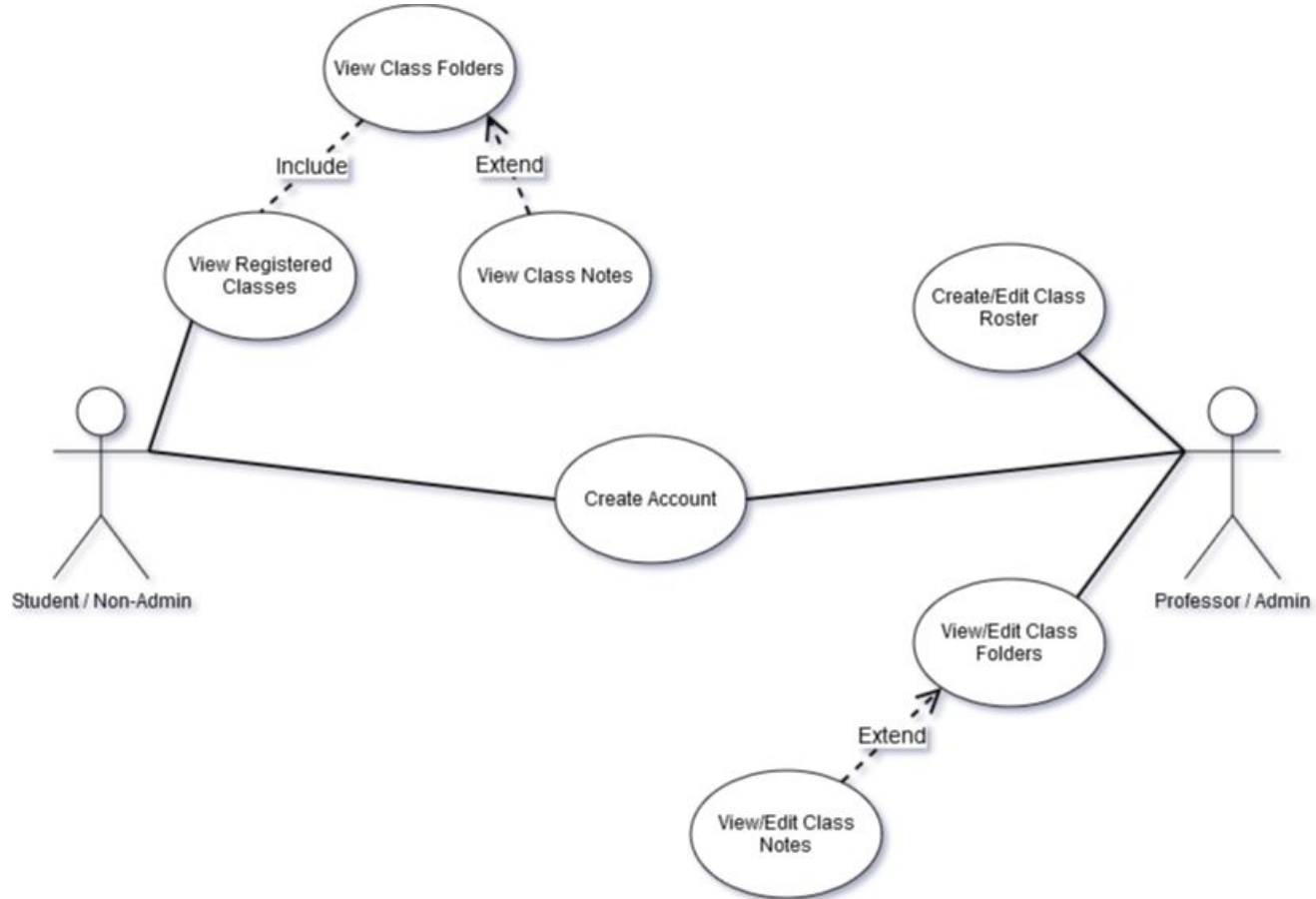
Important Use Cases

Students

- Method of accessing note folders for your classes made by your professor
- Ability to see folders of all of your registered classes
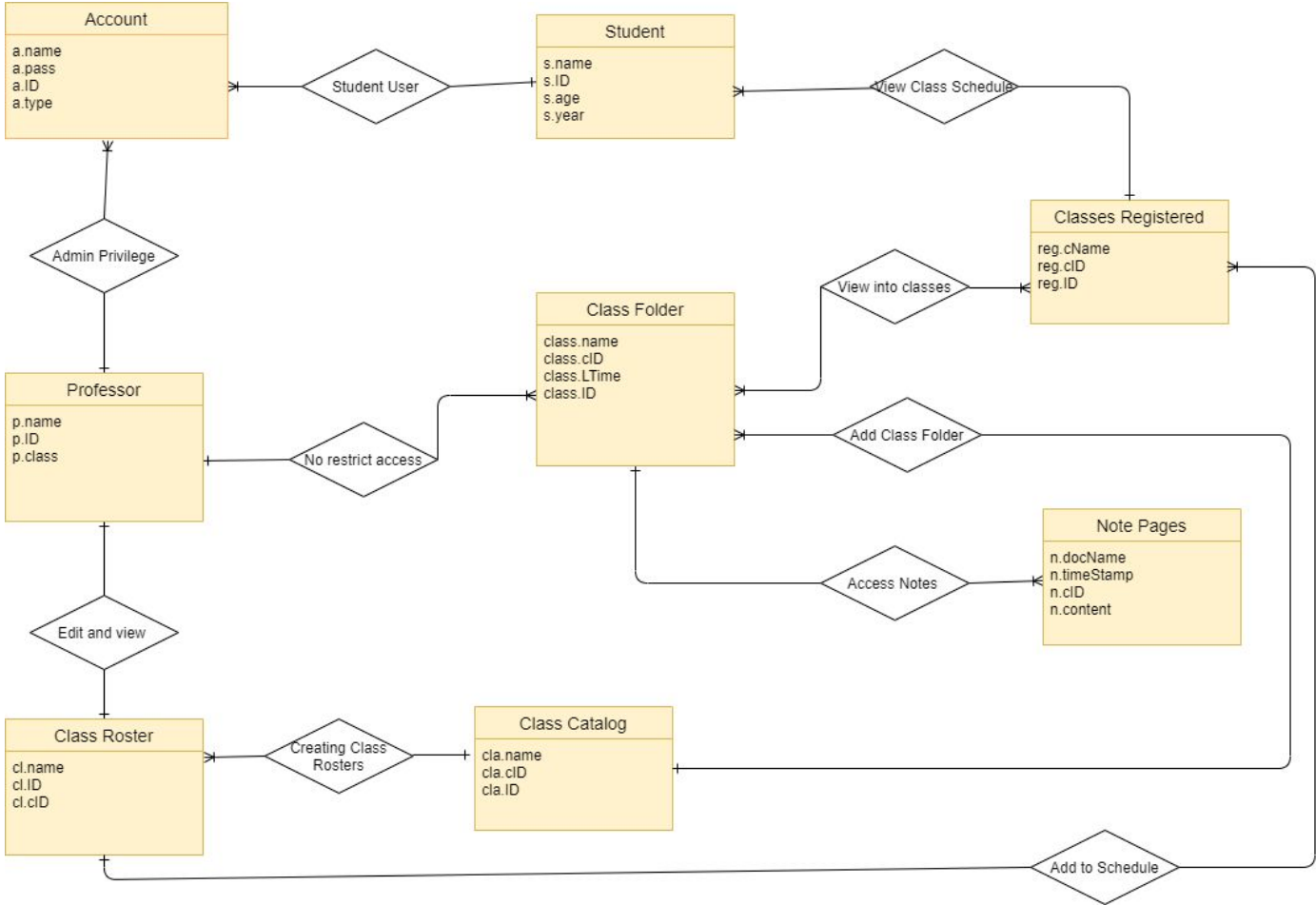- View and upload notes from your peers or professor

Professor

- Add/Remove students ability to view their class
- Ability to upload and edit class notes or documents for viewing
- Act as the administrator for their class database

Use Case Diagram

E/R Diagram

Account
a.name
a.pass
a.ID
a.type

Student
s.name
s.ID
s.age
s.year

Student User

View Class Schedule

Classes Registered
reg.cName
reg.cID
reg.ID

Admin Privilege

Class Folder
class.name
class.cID
class.LTime
class.ID

View into classes

Professor
p.name
p.ID
p.class

No restrict access

Add Class Folder

Note Pages
n.docName
n.timeStamp
n.cID
n.content

Access Notes

Edit and view

Class Roster
cl.name
cl.ID
cl.cID

Creating Class Rosters

Class Catalog
cla.name
cla.cID
cla.ID

Add to Schedule

Relational Schema

ACCOUNT

a_name
varchar(50)

a_pass
varchar(50)

a_ID
Unsigned int

a_type
varchar(10)

STUDENT

s_name
varchar(50)

s_ID
Unsigned int

s_age
Unsigned int

a_year
Unsigned int

CLASSES REGISTERED

reg_cName
varchar(50)

reg_cID
Unsigned int

reg_ID
Unsigned int

CLASS FOLDER

class_name
varchar(50)

class_cID
Unsigned int

class_LTime
text

class_ID
Unsigned int

NOTE PAGES

n_docName
varchar(50)

n_timeStamp
text

n_cID
Unsigned int

n_content
text

PROFESSOR

p_name
varchar(50)

p_ID
Unsigned int

P_class
varchar(50)

CLASS ROSTER

Cl_name
varchar(50)

cl_ID
Unsigned int

cl_cID
Unsigned int

CLASS CATALOG

cla_name
varchar(50)

cla_cID
Unsigned int

cla_ID
Unsigned int