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
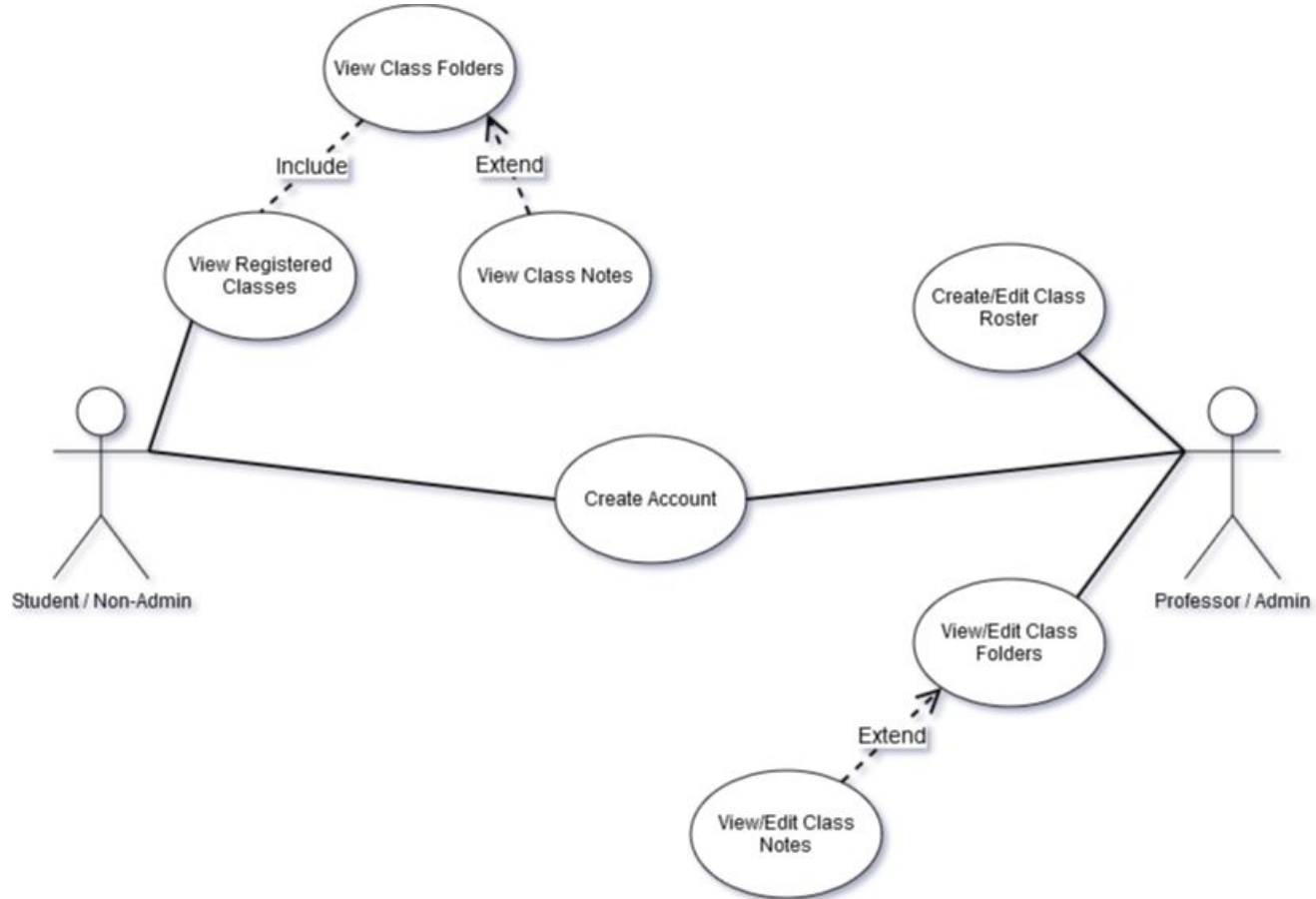 - CSS
  - Javascript (nodejs)

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
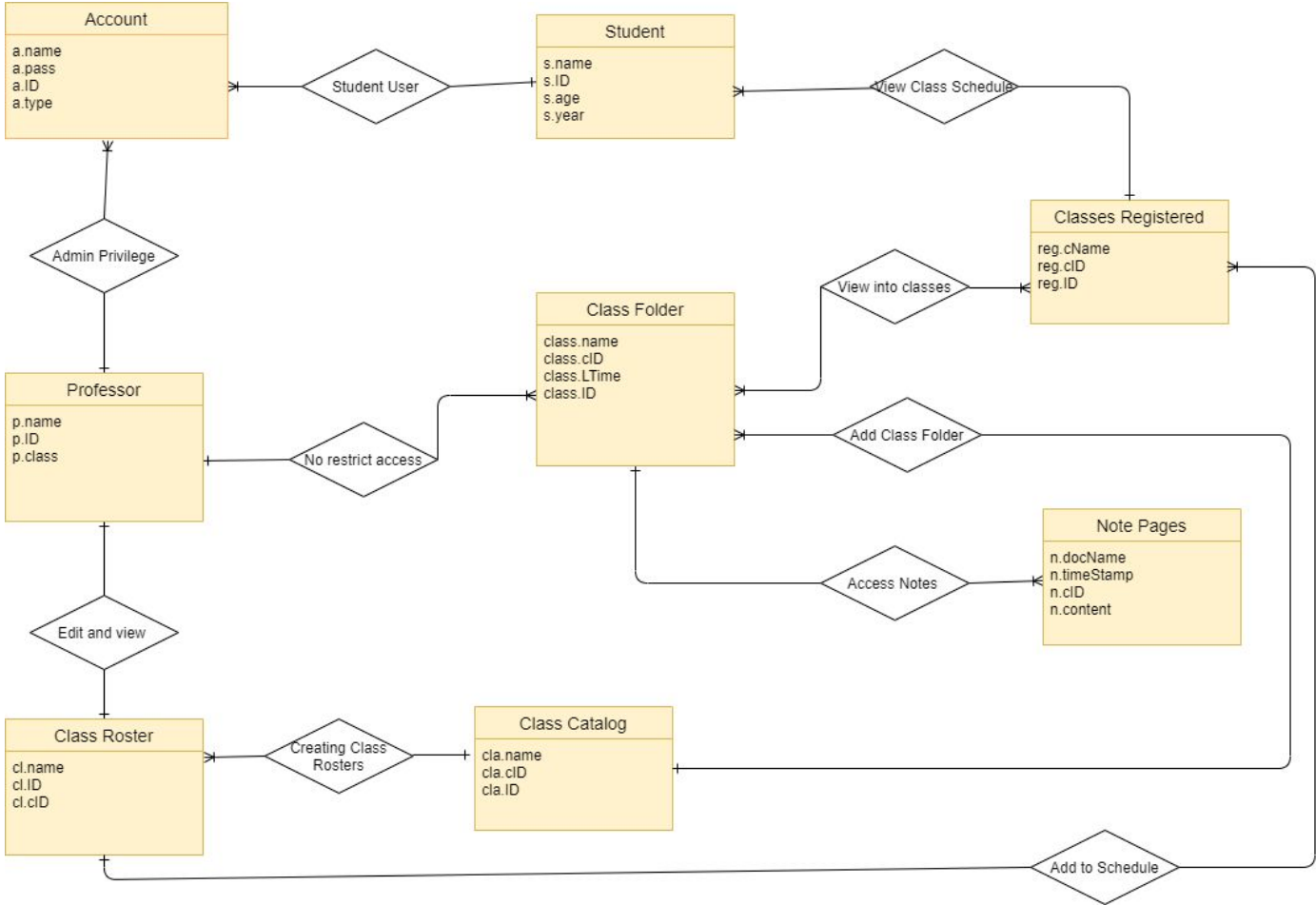- View and upload notes from your peers or professor

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

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

s_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

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_cID
Unsigned int

CLASS ROSTER

Cl_name
varchar(50)

cl_ID
Unsigned int

cl_cID
Unsigned int

CLASS CATALOG

cla_name
varchar(50)

cla_cID
Unsigned int