Users
- username VARCHAR(16)
- email VARCHAR(255)
- password VARCHAR(32)
- create_time TIMESTAMP
- userID CHAR(16)

Indexes

Files
- fileID CHAR(16)
- owner CHAR(16)
- uploaded TIMESTAMP
- filePath VARCHAR(255)

Indexes

owned by

own

grant access to

given access by

make accessible

made accessible by

PermissionTokens
- recipient CHAR(16)
- fileId CHAR(16)

Indexes

DB implemented in MySQL because that's what's taught in CSCI-3287.

Full-path model for simple index display, with sharing.

PK for users and file are UUIDs

Owner access implicit. Change permission token optionality to mandatory for explicit.

Most non-key fields are TBD, pending further progress/discussion on front-end.