/usr/local/mysql-8.2.0-macos13-arm64/bin/mysql -u root -p

CREATE DATABASE pcsproj;

USE pcsproj;

CREATE TABLE `users` (

`username` varchar(255) NOT NULL,

`password` varchar(255) DEFAULT NULL,

PRIMARY KEY (`username`)

)

CREATE TABLE `transactions` (

`id` int NOT NULL AUTO\_INCREMENT,

`username` varchar(255) NOT NULL,

`file\_name` varchar(255) NOT NULL,

`transaction\_type` varchar(255) NOT NULL,

`transaction\_time` timestamp NULL DEFAULT CURRENT\_TIMESTAMP,

PRIMARY KEY (`id`),

KEY `username` (`username`),

`file\_id` int NOT NULL

CONSTRAINT `transactions\_ibfk\_1` FOREIGN KEY (`username`) REFERENCES `users` (`username`) ON DELETE CASCADE

)

CREATE TABLE `access\_control` (

`public\_key` varchar(2048) NOT NULL,

`private\_key` varchar(2048) NOT NULL,

`username` varchar(255) NOT NULL,

`re` tinyint(1) NOT NULL,

`wr` tinyint(1) NOT NULL,

`delet` tinyint(1) NOT NULL,

`cre` tinyint(1) NOT NULL,

`rest` tinyint(1) NOT NULL,

KEY `username` (`username`),

CONSTRAINT `acess\_control\_ibfk\_1` FOREIGN KEY (`username`) REFERENCES `users` (`username`) ON DELETE CASCADE

)

Create table files ( `file\_id` int NOT NULL AUTO\_INCREMENT,

`filename` varchar(255) DEFAULT NULL,

`owner` varchar(255) DEFAULT NULL,

PRIMARY KEY (`file\_id`),

UNIQUE KEY `filename` (`filename`)

)