The application that I created is a To-do/Notes list, before I start on the details I want to point out that I would like to add updating the notes and deleting notes as well as deleting accounts and updating usernames and passwords. Although I ran out of time to do that so I will be doing that on my own time as this project has really grown on me and I like how it finished.

Starting off with the database, I decided to have three databases the main one being the notes which is storing every users notes in one table. This means that there can be multiple rows of the same user as users can have multiple notes under their account. The other two databases are a little more simple but had to be separated for organization and the way the program worked. The first database being the users involving the password and the username which will link to the same username in the notes table. The second database being the scores involving the score and the username which will also link to the same username in the notes and users tables. This structure allows easy modification and future possibilities of scalability for updates such as more user information (profile pictures, phone number or email for recovery process) and score information (deleted, updated count, and activity levels).

The way the actual program files are laid out is an HTML page to gather the user's information during logging in or signing up process then it makes a form post request to the todo.php file which is where it'll make a lot of sql queries to make sure everything is running smoothly. There was a couple of error checking on the html page but for the stuff that regards the database, there is additional things so there's an option of an error message at the todo.php if anything goes wrong. The users can add a to-do/note as many times as they want and it includes a title, date, and description. For simplicity I required one for each of them but maybe in the future the description will be the only required field. As well as maybe adding even more fields to make the notes more detailed.

Overall I had a lot of fun making this program and definitely is cool to see what is truly possible when you code things from scratch using programming and coding languages.

notes

Column	Type	Null	Default	
username	text	No		
title	text	No		
date	text	No		
description	text	No		

scores

Column	Type	Null	Default	
username	text	No		
score	int(11)	No		

users

Column	Type	Null	Default	
username	text	No		
password	text	No		