CSC7062

Report

GITHUB REPO: https://github.com/conormcneilll/learninglist

Introduction

This is my second attempt at creating a website and I have never been more grateful to rush into and fail the first attempt. This second go at building the learning list website has taught me more about code that anything has, and I hope this shows in the code and the execution this time around.

References to External Sources

In my effort to really understand the process I spent most of my time after my first attempt going back over the lecture notes.

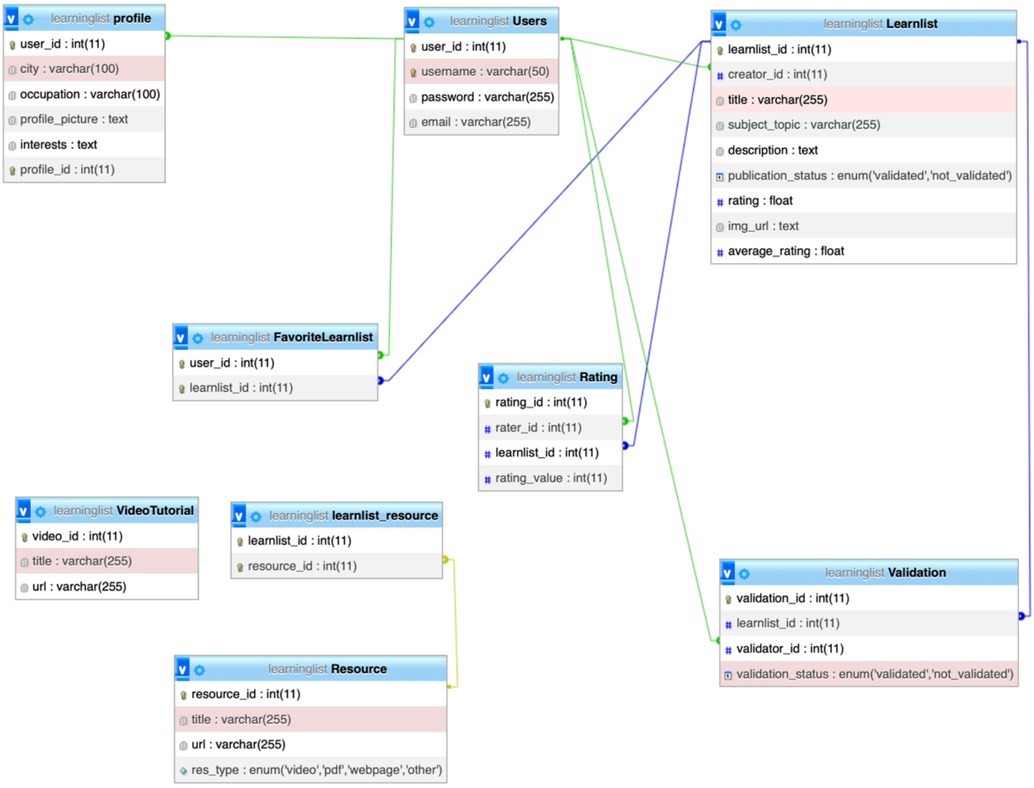
I spent days on git websites and source code websites looking at different way to structure code for websites and how to handle frontend and backend requests.

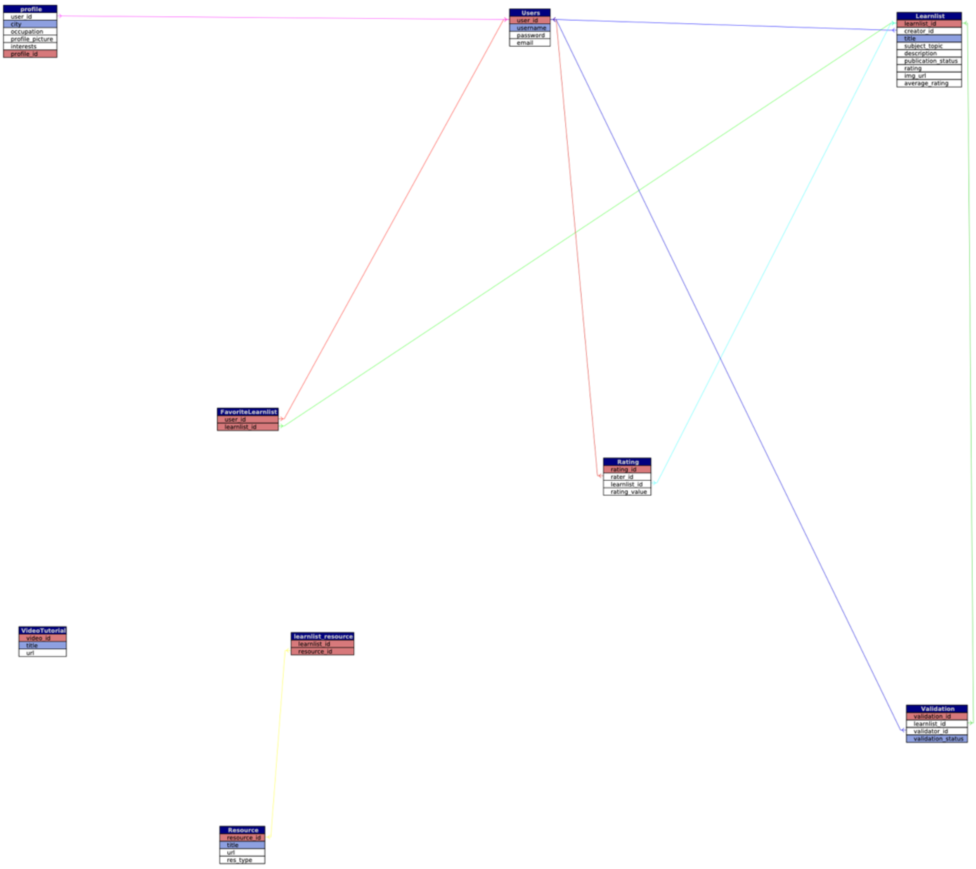
Youtube video tutorial playlists https://www.youtube.com/watch?v=EMwu8F0dCXE this user was a great help.

Inspecting source code of different websites helped me understand HTML.

Textbooks such as 'Learning MySQL Get a handle on your data – By Vinicius M Grippa et al' and JavaScipt for beginngers – by Terry McNavage" also helped.

Entity Relation Diagrams





Short Analysis of Development

In order to construct my website I began by building the database; - I came up with the tables and the connecting keys and then began to manually populate both the main learnlist table and the resource table in order to have data to pull from in my API requests.

Next I began on the header.ejs and footer.ejs as I knew these would be dynamic and present in every page.

Once this was done I constructed my home page to display some learnlists.

I then began to work on my API folder and build all the necessary requests that would be needed for the full functionality of the website.

Once this was done I constructed the APP frontend Java script to call upon the API and display this information in different ways via the EJS.

I would do this with every function – constructing the ejs that would point to the java script like /addresource and then I would build the API backend to get the necessary tables and data – this would then be all called into the frontend java script and used to display or render another page and the development cycle was like that.

There were times I would want to build a backend or frontend without doing these three in order for each function – say I would want to just do all requests that I would ever need in the API routes but then I would find I would get confused when constructing the APP JS and the EJS so I took a very fundamental approach of completing one functionality at a time so I would not get confused or lost in my code.

This worked as I was able to hit every functionality.