Back-End Web Development

ST0503

Assignment 2

Instructions

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DISM/FT/2A/01

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# SQL and API Prerequisites

## Setting up SQL database

1. Open MySQL workbench and use preferred MySQL instance
2. In that instance, open “sp\_games\_init.sql” file
3. Execute the whole file
   1. On the top left corner, there is a button that look similar to a thunderbolt. Click on it without highlighting any line
   2. Or click on it while you are on a line that is empty

## Backend Server

1. Go into Visual Studio Code, open folders, and open the entire folder
2. Open your terminal and type, cd Code
3. Run these commands
   1. npm init
   2. npm install –save express
   3. npm install –save body-parser
   4. npm install –save mysql
   5. npm i express-fileupload
   6. npm install –save cors
4. Go to databaseConfig.js and change password with your MySQL workbench password
5. To run the APIs
   1. node server.js
   2. Or you can install nodemon
      1. npm install -g nodemon
      2. Go to package.json and ensure you have this line
         1. “start-dev”: “nodemon server.js”

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Description automatically generated

* + 1. Command to run nodemon: nodemon .

1. Open 2 command prompt in Visual Studio Code,
   1. 1st command prompt
      1. cd Frontend
      2. nodemon .
   2. 2nd command prompt
      1. cd Server
      2. nodemon .
2. The server will be run at <http://localhost:8081>
3. The frontend server will run on <http://localhost:3001>
4. To view the website, go to <http://localhost:3001> in google chrome

# Appendix A: Source Code File Structure

Code

controller

app.js

gameImage

Fortnite.jpeg

League of Legends.jpeg

Minecraft.jpeg

Valorant.jpeg

model

cat.js

databaseConfig.js

discount.js

game.js

limitedDiscount.js

platform.js

review.js

user.js

node\_modules

*[module packages]*

package-lock.json

package.json

server.js