John Wesley Williams Eduv9275706

ITPGAO PROJECT

ITPGA0 DOCUMENTATION

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2.1 Description od application:

The Video Store Management System is a client-server application that used to manages customer and movie registrations, movie rentals and returns, and to ensure that only registered customers can access the system. The system has a backend server which handles the database operations and a frontend client server which provides the user interface.

2.2 Installation and setup

To install we simply download MySQL WORKBENCH and finish setting it up. Then ew create our database, CREATE DATABASE IF NOT EXISTS eduvos; Next we create our 3 tables and insert data into them. Now we install a python idle, be sure to add the mysql.connector package to your idle to make sure it runs. Now we use our idle to create the servers. Once done make sure you run your system server first in one console then open another and run your client server. Make sure you have mysql open in the background.

Main Menu Options:

- 1. Register Customer
 - Enter customer phone number (10 digits)
 - System checks if customer exists
 - If new customer, enter: First Name, Surname, Address
 - Customer ID is automatically generated

2. Register Movie

- Enter movie name (max 40 characters)
- Select movie type: R (Red box New) or B (Black box Old)
- Video ID and Version are automatically generated

3. Hire Movie

- Enter customer phone number for verification
- Enter Video ID of requested movie
- System checks availability
- · Movie is marked as hired with current date

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4. Return Movie

- Enter Video ID of movie to return
- · System updates return date to current date
- Movie becomes available for hire again

5. Exit System

• Closes the application gracefully

3. Directions on how to handle error messages

Common Error Messages:

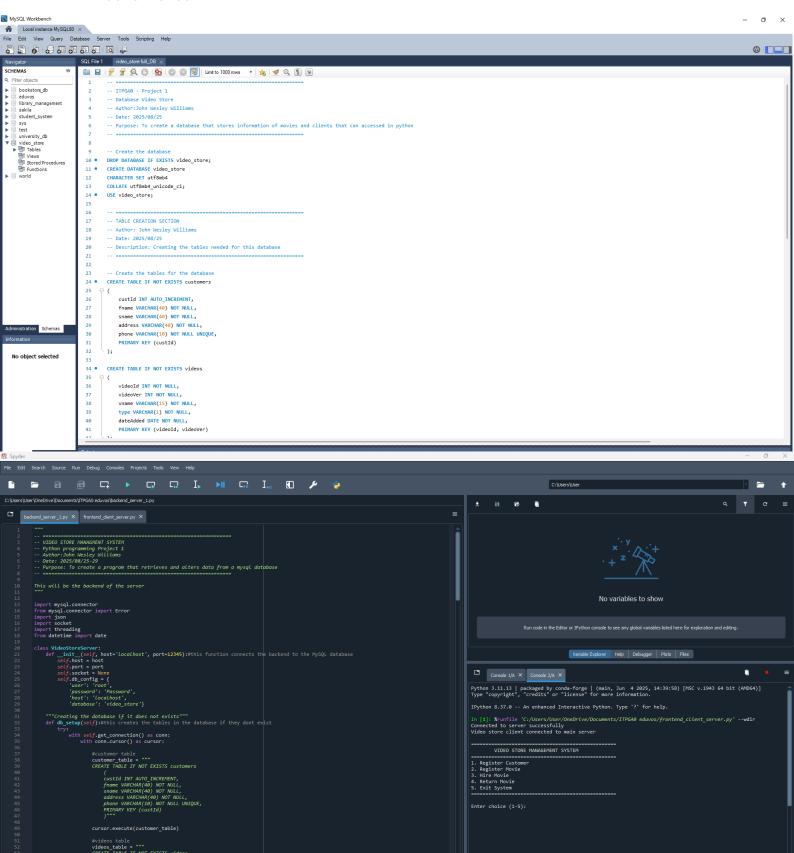
- "Customer already exists" Customer is already registered on the system
- "Movie has already been rented" Movie is not available for renting as it hs been rented by another customer.
- "Movie has not been rented or already returned" This means the movie is available for renting.
- "Invalid phone number format" Phone number validation has failed due to not inputting digits.
- "Unable to connect to server" The server is facing network related issues.

Troubleshooting:

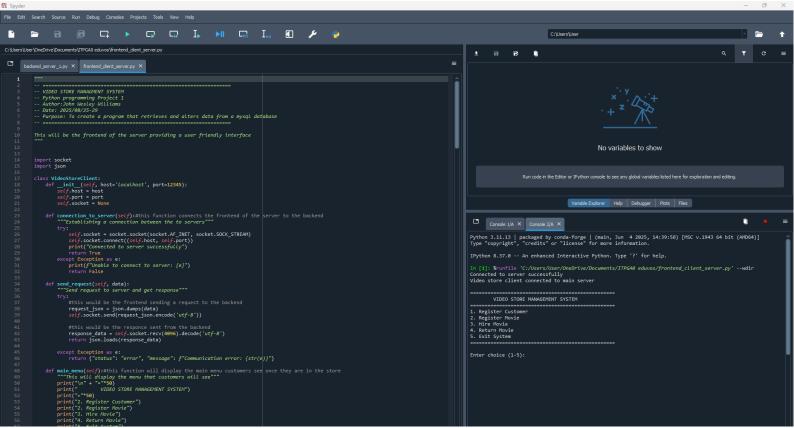
- 1. Connection Issues: Check if backend server is running
- 2. Database Errors: Verify MySQL port details are correct and database existence
- 3. Port Conflicts: Change port number if 12345 is occupied
- 4. Firewall Issues: Ensure port 12345 is not blocked

4. Screenshots of the entire application.

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Bibliography:

https://mylms.vossie.net/course/view.php?id=31666

https://mylms.vossie.net/course/view.php?id=31103

I used everything I could find in the mylms course as reference