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CMPSC 431W Final Project

Velocity Ventures Sports Car User Manual

Introduction

Welcome to Velocity Ventures, a desktop application designed to simplify database queries through a user-friendly interface. This manual will guide you through the process of installing, configuring, and using the application of our sports car rental system.

System Requirements

- Operating System: Windows
- API: node.js express server (Backend application)
- Frontend: React.js application
- Database: MySQL

Api → database → runs query and retrieves data

Frontend (React) → connects to api → connects to database → returns data to frontend webpage

Installation Guide

Download the installation package from our Github:

<https://github.com/mxnasi/431Project>

Double-click the API files to start the installation.

Once the files have downloaded, establish a connection to the database.

After the connection has been confirmed, copy the endpoint within the API file.

Go to your local browser of choice and paste the endpoint link. Or, if you are using an API tool, you can paste your endpoint link there. The correct corresponding data should be linked to view the cars, rental applications, locations, and more of your choice.

Core Functionalities:

Executing a Database Query

Accessing the Query Tool: From the main interface, locate the query input area.

Inputting a Query: Type your SQL query, such as `SELECT * FROM cars`.

Executing the Query: Click the 'Execute' button or press Enter.

Viewing Results: The query results will be displayed in the results section below the query input area.

Using an API Tool

If using an API tool, there are options on how to receive or manipulate your data or queries. For the purposes of our system, please use the 'GET' option.

Executing API Requests: Select the desired API request from the predefined list or create a new one.

Viewing API Responses: Responses from the API will be displayed in the section dedicated to it. Confirm your endpoints for the most accurate data.

Troubleshooting and Support

- Common Issues: Refer to this section for solutions to common problems like connection errors, query syntax issues, or API integration problems.
- APIs: Most errors occur when a connection to the correct port is missing. Double check all port numbers to ensure your database connection properly.
- Support Contact: For further assistance, contact our support team at hjs5560@psu.edu or mbd5634@psu.edu