



CarFlex

Database Project

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Our Platform

Carflex simplifies the vehicle selling process by allowing users to create ads for their vehicles as well as evaluating purchases. This project focuses on building a robust database to manage user information, vehicle details, and advertisements efficiently.





Requirements

Functional and Non-Functional Requirements

Functional Requirements

Accounts and Sessions

Allow users to have their own account to sell their vehicles



Advertisement Creation & Purchase

Each user can create their ad for their car or bike, and also buy from another users



Advanced Search Filtering

Allow advanced search using various vehicle attributes



Comments & Ratings

Post-purchase, the buyer can leave comments and rate their purchase experience.



Non-Functional Requirements



Performance

The platform must quickly process searches and display results.
Ad creation and updates should occur without significant delays



Connection

Firm connection with SQL Server database (at IEETA)



Security

Protect User information



Technologies



Database

SQL Server



Back-End

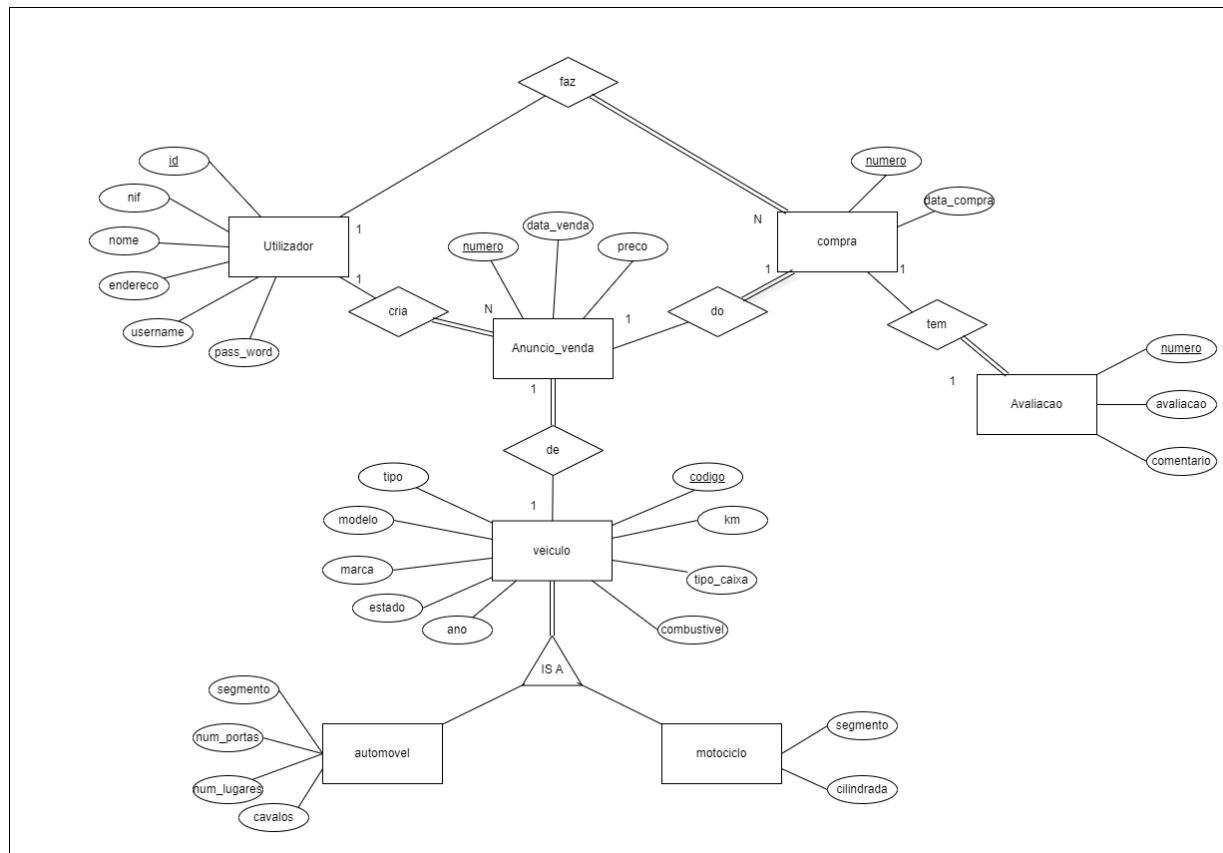
Python Flask



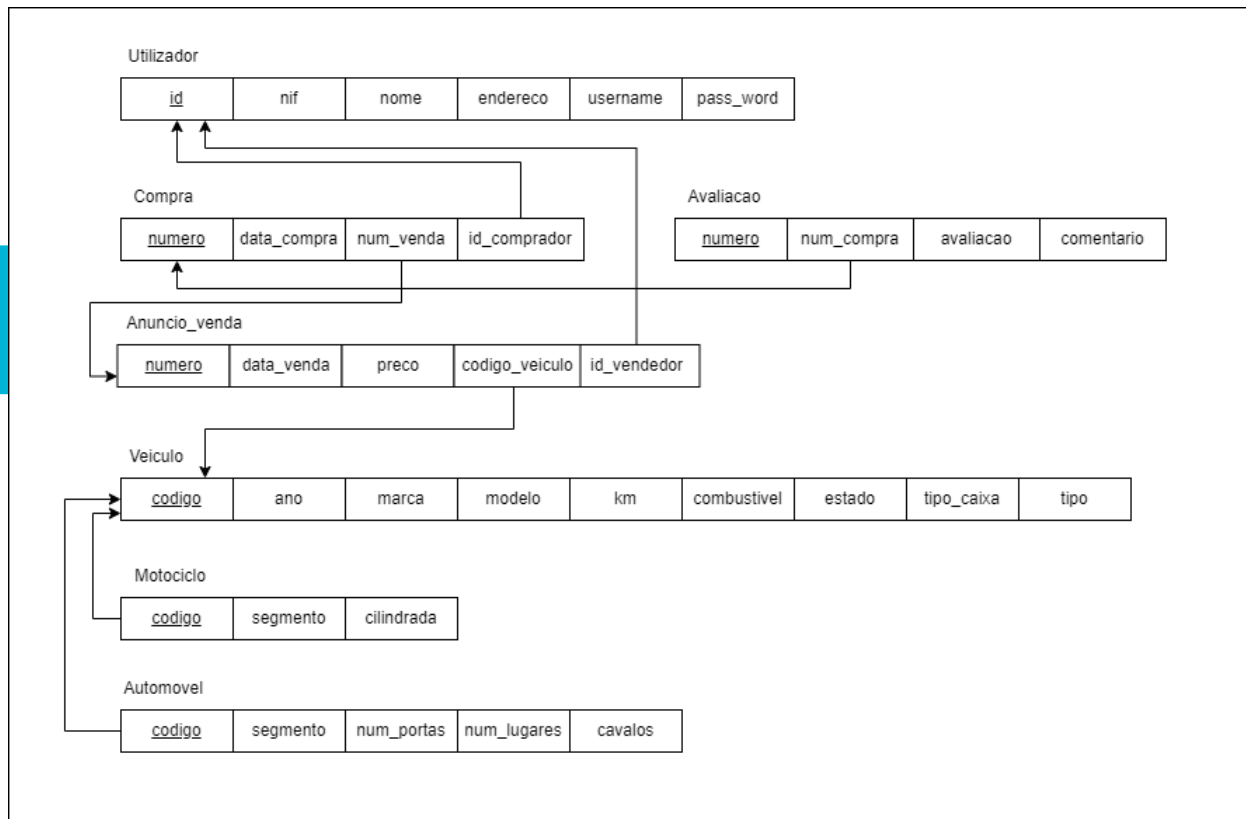
Front-End

JavaScript
HTML and CSS

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SQL

Stored Procedures

Improve performance,
security and
maintainability



Triggers

Enforce rules and
maintain data integrity



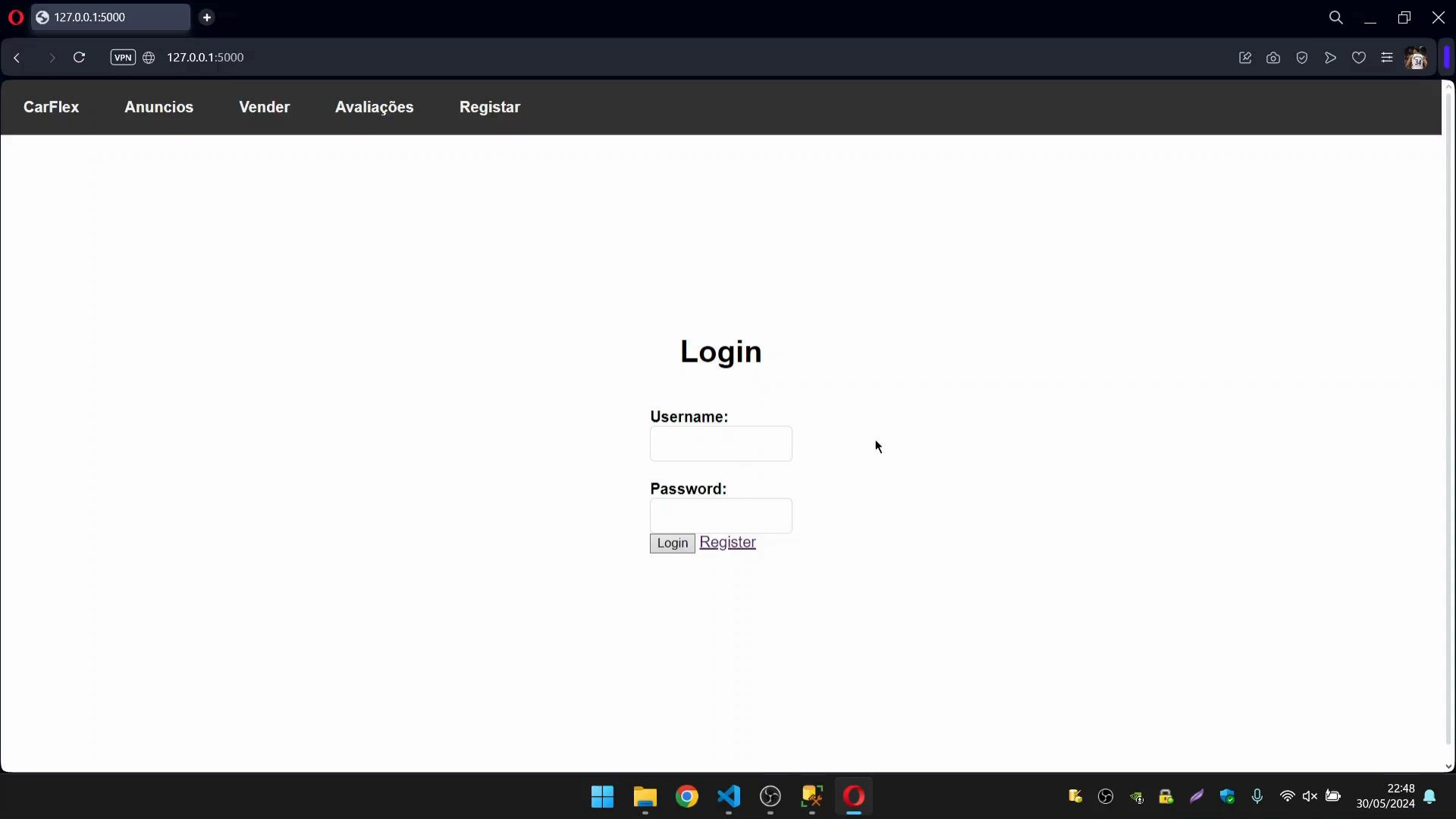
Other Querys

Simpler operations





DEMO



Login

Username:

Password:

Login Register



Thanks!

Any Questions?

