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IM22A
09.08.2024

Online shop

As part of Module 165 at Gibb, we developed an online shop using MongoDB as the database. The project aimed to deepen our knowledge of NoSQL databases like MongoDB, Neo4j, Cassandra, and Redis and apply this knowledge in a practical web application.

Initial Situation

In Module 165 at Gibb, we explored various NoSQL databases, including Neo4j, Cassandra, MongoDB, and Redis. For each of these databases, we completed specific tasks to understand their functionalities. By the end of the module, we were required to choose one of these databases to program a small application. I teamed up with one of my classmates, and we chose MongoDB.

Goal

The goal was to create a web application that connects to our chosen database, in this case, MongoDB. We were required to follow predefined criteria, which would be used to evaluate the project later. We decided to develop an online shop using PHP that would interface with our MongoDB database.

Implementation

During implementation, we initially faced difficulties getting the project to run using XAMPP on Windows. However, after some time, we successfully configured the setup and were able to start working. We first created the database and the necessary inserts. We decided to create an online car dealership where customers could log in, view their orders, and access their shopping carts. There was also a feature that allowed customers to write reviews for products, which would then be displayed alongside those products. Additionally, we implemented a small admin login area where the admin could add vehicles or other car-related products to the database. A distinctive feature of the project was that a product could have additional information such as size or previous owners, which would also be displayed.

Result

We were very satisfied with the result, as we managed to meet all the criteria and even earned some bonus points for additional features. Our online shop was fully functional, with a customer login, shopping cart, and a complete application that could potentially be used in real-world scenarios.

Insights

Through this project, I gained many insights, particularly in MongoDB and NoSQL databases in general. I also learned new things in PHP, which I can apply in the future. Additionally, I improved my ability to follow guidelines and significantly enhanced my time management skills.

Name: Pfister Comet SR
Beschreibung: Ein schneller und wendiger Sportwagen.
Preis: 1150000€
Kategorie: Sport
★ ★ ★ ★ ★
Schnell!!!

[🛒 ADD TO CART]

Name: Overflod Entity XXR
Beschreibung: Ein exquisites Stück Ingenieurskunst, das Geschwindigkeitsgrenzen neu definiert.
Preis: 2750000€
Kategorie: Super

[🛒 ADD TO CART]

Screenshot of the product page

Bestellung vom 02.03.2024

Produkte: **Lieferadresse:**
1x Overflod Entity XXR (Preis: 2750000 €)   Bahnhofstrasse 10
                                                 8001 Zürich
                                                 Schweiz
Gesamtpreis: 2750000 €

Bestellung vom 05.03.2024

Produkte: **Lieferadresse:**
1x Dewbauchee Vagner (Preis: 1535000 €)   Bahnhofstrasse 10
                                                 8001 Zürich
                                                 Schweiz
Gesamtpreis: 1535000 €

Screenshot of the orders