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		Database System (J)
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Online Store “Prayoga Shop”

Mr. Prayoga's business empire has expanded from city to city, and he is now attempting to enter the e-commerce sector. However, he lacks the knowledge needed to prepare for the launch of his online store. Consequently, he seeks assistance from a consultant named Mr. Budi to help him establish his presence on the internet.

Products Management

To manage all the products he has, Mr. Prayoga intends to categorize them and include the product suppliers in the database. He desires to include as much detail as possible about his products in the database to ensure that customers can form the best impressions of them. Additionally, he wants to

emphasize that not all of his products are sourced from third-party factories or brands; some products are manufactured in-house.

Users Management

Mr. Prayoga wants all the users to register and sign in before making any transaction on his system. Customers need to input their personal information when they are registering an account. All of the users are gained the role of customers, so they can only make purchases or transactions, not making any changes on either products and the websites. Mr. Prayoga hires and selects a sliver of his team to be the administrator of the website.

Orders Management

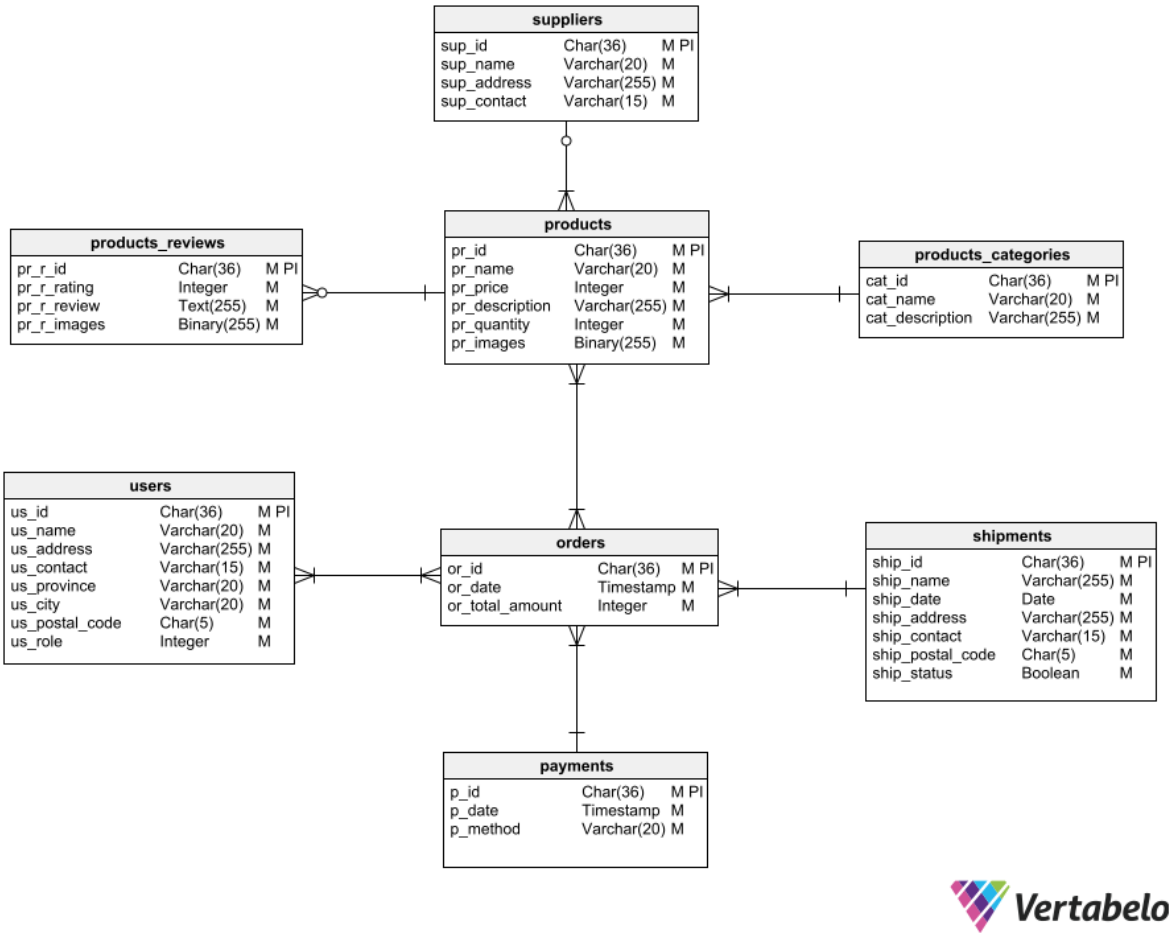
Mr. Prayoga aims to implement a robust order management system to efficiently handle the diverse range of products in his inventory. This system will categorize products, incorporate detailed information about suppliers, and distinguish between items produced in-house and those sourced externally. By prioritizing meticulous order management, Mr. Prayoga seeks to enhance the overall customer experience, ensuring seamless transactions and timely delivery, thereby contributing to the success of his growing business empire.

Shipping Management

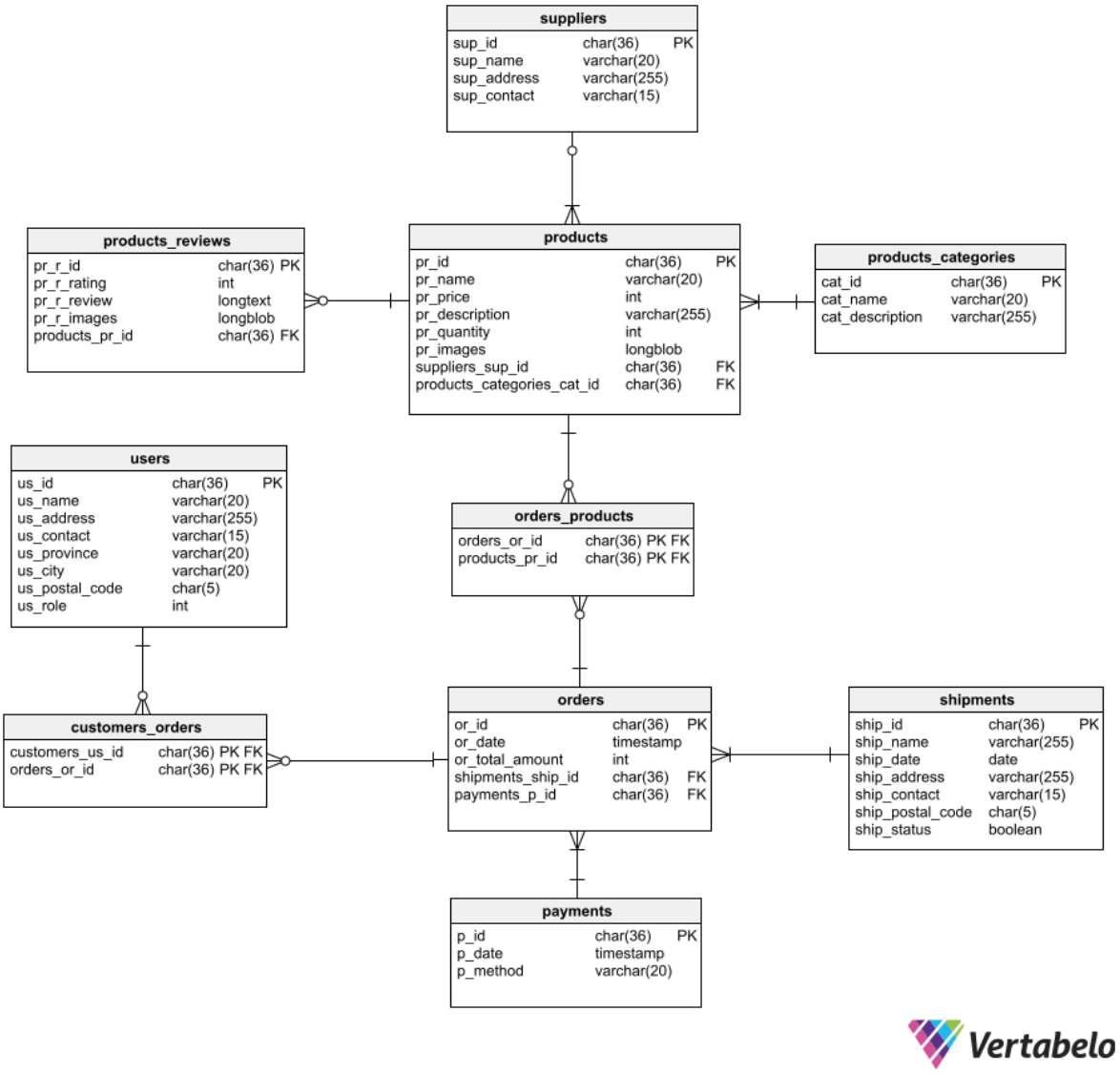
Mr. Prayoga wishes to implement a system that automates the shipping process. This means that each time an order is placed, customers can choose the delivery address and contact information independently,

allowing flexibility rather than being constrained to the address stored in their account.

CDM



PDM



Notes

- To maintain uniqueness, all of the ID on every table have to use the UUID() function.
- All of the time-related fields need to use CURRENT_TIMESTAMP as their default value.