Interaction with LLM

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We provided ChatGPT with the schema for our database tables and a list of SQL queries we wanted it to generate. Below are the queries that ChatGPT did not generate completely correctly:

1. Sorting products by whether promotion is applied or not

Here, ChatGPT initially did not account for the fact that promotions are only valid within a specific start and end date, as defined in the Promotion table. To correct this, we added the following condition:

AND CURDATE() BETWEEN PR.Start_Date AND PR.End_Date;

2. Add product to cart with discount calculation

In this case, ChatGPT made two errors:

- 1. It did not consider that if a product is already in the cart, adding it again would create a duplicate entry. Instead, the quantity of the existing product should be updated.
- 2. It incorrectly assumed that customers with a membership receive an additional 10% discount, which is not part of our system.

To fix these issues:

- 1. We removed the membership discount calculation.
- 2. We added the following condition to handle duplicate entries correctly:

ON DUPLICATE KEY UPDATE

Quantity = Quantity + 2,

Price = VALUES(Price);