Schema overview

This database schema defines the structure for a system that manages user accounts, stores, product inventory, orders, and messaging functionality. The schema consists of 18 tables with various fields and relationships defined between them. Here's a brief overview of each table:

- Grupp: the grupp table contains information about groups and has an auto-incremented group ID, group name, and date created.
- Roles: the roles table contains information about user roles and has an auto-incremented ID and role name.
- Stores: the stores table contains information about stores and has an auto-incremented store ID and store name.
- Address: the address table contains information about addresses and has an auto-incremented address ID, street address, zip code, city, and country.
- Users: the users table contains information about users and has an auto-incremented user ID, first name, last name, age, email, password, and date registered.
- UserAddress: the user address table contains information about the relationship between users and addresses and has an auto-incremented ID, user ID, and address ID.
- StoreAddress: the store address table contains information about the relationship between stores and addresses and has an auto-incremented ID, store ID, and address ID.
- InventoryList: the inventory list table contains information about inventory lists and has an auto-incremented inventory ID and store ID.
- Products: the product table contains information about products. The unique column here is product id, which will store uuid v4 values. The application will be responsible for providing the uuid v4 value each time an entry is made to the table. The other columns in this table are product name, price, and description.
- ProductInventory: the product inventory table contains information about the relationship between products and inventory lists and has an auto-incremented ID, quantity, inventory ID, product ID, and last updated timestamp.
- OrderStatus: the order status table contains information about order statuses and has an auto-incremented status ID and status name.

- Orders: the orders table contains information about orders and has an auto-incremented order ID, user ID, total amount, store ID, order status, and order date.
- Messages: the messages table contains information about messages and has an auto-incremented message ID, sender ID, message body, and date sent.
- MessageRecipientList: the message recipient list contains information about the relationship between messages and recipients and has an auto-incremented ID, recipient ID, and message ID.
- UserGroup: the user group table contains information about the relationship between users and groups and has an auto-incremented ID, group ID, and user ID.
- UserRolesList: the user roles list table contains information about the relationship between users and roles and has an auto-incremented ID, role ID, and user ID.
- OrderItems: the order items table contains information about the relationship between orders and products and has an auto-incremented ID, order ID, and product ID.
- GroupPosts: the group posts table contains information about posts made in groups and has an auto-incremented ID, post, recipient group ID, and date sent.

The schema defines a set off called RoleLimit, which is executed before inserting a new row into the UserRolesList table. This trigger checks the number of roles already assigned to a user and prevents the insertion of a new row if the user already has three roles.