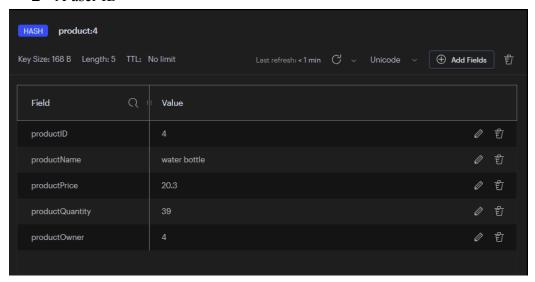
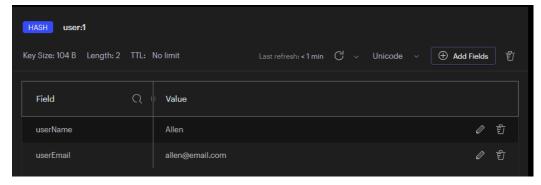
CSCE 310 Project 2 - Database Structure Allen Li April 28, 2024

The design of my database for Project two is relatively similar to project 1, but with a few fewer classes. The only classes we will need is users, products, and orders. The structure of all three are below:

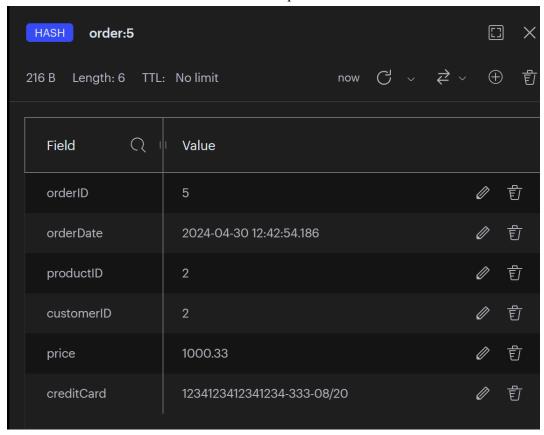
- Products: (in Redis is "project: {insert id}, I use the hash data type
 - o productID
 - o productName
 - o productPrice
 - productQuantity
 - o productOwner
 - A user ID



- Users: (in Redis is "user: {insert user ID}", also using the hash data type
 - o userName
 - userEmail



- Orders (in Redis is "order: {insert order ID}", also using hash data type
 - o orderID
 - o productID
 - Since we can only order one product at a time
 - o customerID
 - o price
 - Price of the ordered product
 - Order Date
 - o Credit Card
 - Will be formatted: number cvc exp date



Each user can only buy one item at a time, this will immediately update the quantity of the product as well as add a new order to the database. Users can add, delete, read, and update products for sale.

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