Coding Exercise – Ordering System

# Description

Imagine that you have customer that requires ordering system.

The system has the following tables:

* USER (Number id, Varchar first\_name, Varchar last\_name)
* ITEM (Number id, Varchar name, Varchar description, Varchar Number cost)
* ORDER (Number id, Date date, Varchar status)
* ORDER\_ITEM (Number order\_id,Number item\_id)

# Initial conditions

Consider that you have the existing methods/functions:

* *User getUserById(String userId)* –
  + method that retrieves user deatils by ***userId***
* *List<Order> getOrderByUserId(Long userId)* –
  + method/function that retrieves the list of orders belongs to user with ***userId***
* *List<Item> getItemsByOrderId(Long oderId)* –
  + method/function that retrieves the list of items in order with ***orderId***

# Requirements

Please implement method/function in Java or javascript that retrieves list of user orders.

The UserOrder object is built upon the relation between User-Order-Item and make flat object for the sake of easy presentation in the UI.

The list should contain only the effective orders (order date bigger than now) and sorted by name

**UserOrder Class:**

|  |
| --- |
| **UserOrder** |
| + Long userId  + Long orderId  + String userFullName (first\_name + last\_name)  + String itemName |