DMDD Report 1

ORDER FULFILMENT DATABASE MANAGEMENT SYSTEM TEAM 5

Problem Statement:

As a leading online home goods retailer, Wayfair is facing significant challenges in managing its data manually. These challenges include inefficient tracking of customer orders and payments, difficulty in updating and retrieving supplier information, difficulty in managing product details and stock levels, and inaccurate tracking of customer information. To address these challenges and meet the expectations of its customers, Wayfair requires an effective online fulfilment database system that streamlines the order management process, ensures efficient and secure payment processing, and provides real-time visibility into supplier information, product details, and customer information.

Objectives:

- 1. Implement an efficient database system to easily store and retrieve customer and supplier information.
- 2. Introduce a tracking system for customer orders, payments, and order fulfilment status to speed up and streamline the order management process.
- 3. Automate the process of storing and retrieving product details and stock levels for real-time inventory management.
- 4. Implement a system for categorizing products and managing product categories.
- 5. Improve accuracy in storing and retrieving customer information to provide a better customer experience

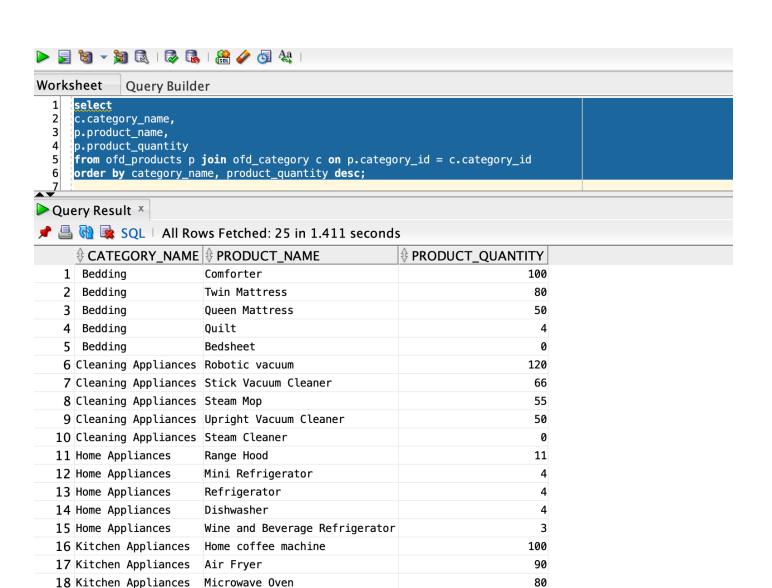
Query:

--DISPLAY QUANTITY OF EACH PRODUCT CATEGORIZED BY CATEGORY IN DECREASING ORDER OF QUANTITY select

c.category_name,
p.product_name,
p.product_quantity
from ofd_products p join ofd_category c on p.category_id = c.category_id
order by category_name, product_quantity desc;

Description:

Finding out the quantity of each product categorized by category in decreasing order of quantity at a glance will allow the management at Wayfair to decide on whether a product has to be restocked if there is a low quantity or if to run additional marketing campaigns or include discounts for products or categories that have a large quantity.



60

60 42

25

52

48

31

19 Kitchen Appliances

20 Kitchen Appliances

21 Organization

22 Organization

23 living room

24 living room

25 living room

Toaster

Bookcase

Futon

Food Processor

3 Drawer Cabinet

Upholstered Sofa

Coffee Table