MALVIYA NATIONAL INSTITUTE OF TECHNOLOGY JAIPUR

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

DATABASE MANAGEMENT PROJECT REPORT

Online Shopping System

Course - CSP313: DBMS LAB

Submitted By

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OBJECTIVE

This Project is developed to serve as a platform for buyers and sellers to buy/sell commodities online.

If you have a physical store, you are limited by the geographical area that you can service. With an online website, the whole world is your playground.

Physical retail is driven by branding and relationships. In addition to these two drivers, online retail is also driven by traffic from search engines. It is not unusual for customers to follow a link in search engine results and land on an e-commerce website that they have never heard of. This additional source of traffic can be the tipping point for some small businesses.

E-commerce facilitates comparison shopping. There are several online services that allow customers to browse multiple e-commerce merchants and find the best prices.

Buyers and sellers of niche products can find it difficult to locate each other in the physical world. Online, it is only a matter of the customer searching for the product in a search engine. One example could be the purchase of obsolete parts. Instead of trashing older equipment for lack of spares, today we can locate parts online with great ease.

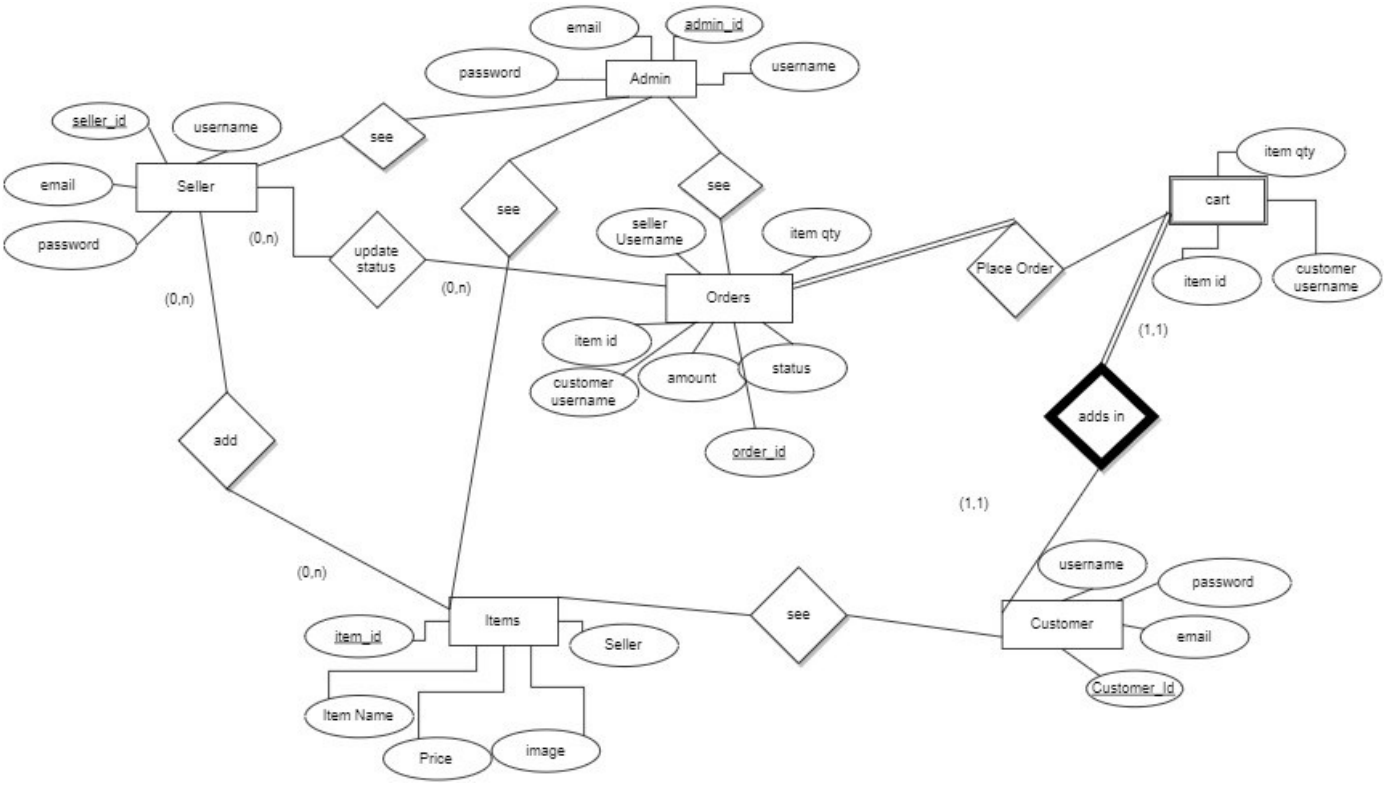
PROJECT DESCRIPTION

- This project is designed to serve as a platform for sellers and customers to Sell/Buy Items.
- Customers can place orders of the items that are listed on the platform by various sellers
- Customers can choose items and add them to cart before placing orders.
- Sellers can add items for sale on the platform.
- Sellers can update the status of the order placed by customer
- Customers Can Track The Status Of Previous Orders Placed

Tools/Platform Used

- Front End
  - HTML
  - CSS (BOOTSTRAP)
  - JAVASCRIPT
- Back End
  - PhP
  - MySQL DATABSE

ER DIAGRAM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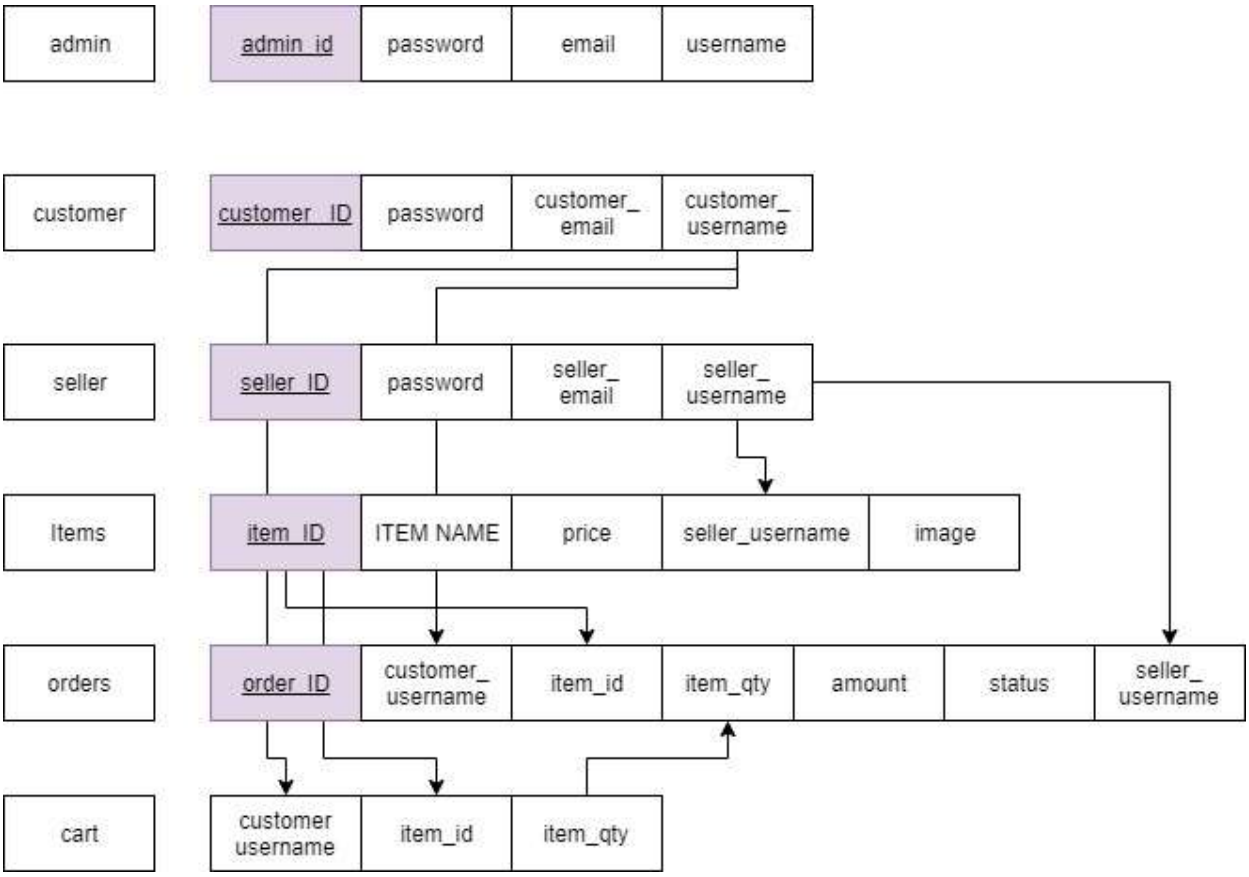
password
Admin
username
seller_id
username
see
email
Seller
see
see
item qty
cart
password
(0,n)
update status
seller Username
item qty
Place Order
item id
customer username
(0,n)
(0,n)
Orders
(1,1)
item id
customer username
amount
status
adds in
add
order_id
(1,1)
username
password
(0,n)
Items
see
Customer
item_id
Seller
email
Customer_Id
Item Name
Price
image

SCHEMA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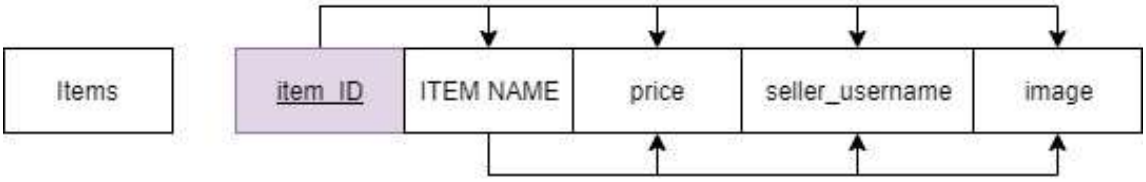
username
customer
customer_ID
password
customer_ email
customer_ username
seller
seller_ID
password
seller_ email
seller_ username
Items
item_ID
ITEM NAME
price
seller_username
image
orders
order_ID
customer_ username
item_id
item_qty
amount
status
seller_ username
cart
customer username
item_id
item_qty

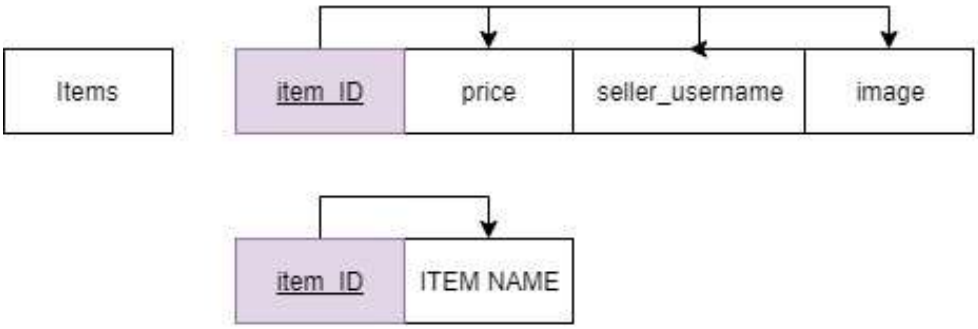
Functional Dependency



ITEM_ID → item_name , price , seller_username , image

item_name → price , seller_username , image

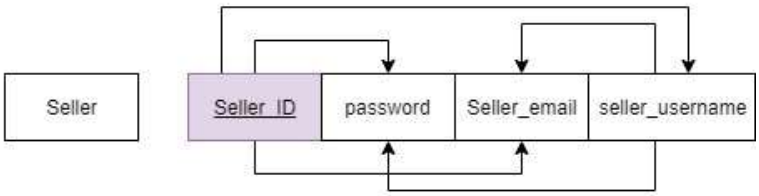
Normalized Tables



ITEM_ID → price , seller_username , image

item_id → item_name

Functional Dependency



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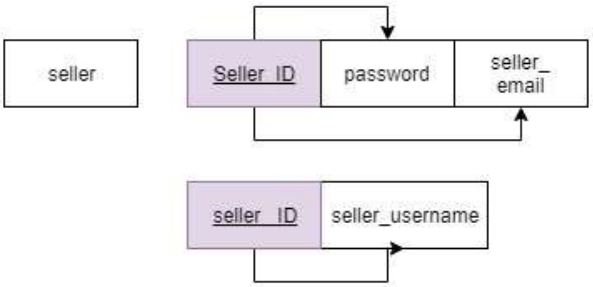
seller_username ⟶ email , password

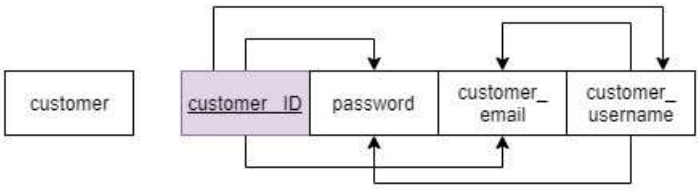
Normalized Tables



SELLER_ID ⟶ email , password

SELLER_ID ⟶ SELLER_USERNAME

Functional Dependency



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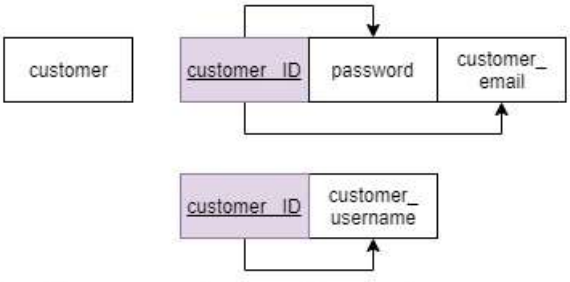
customer_username ⟶ email , password

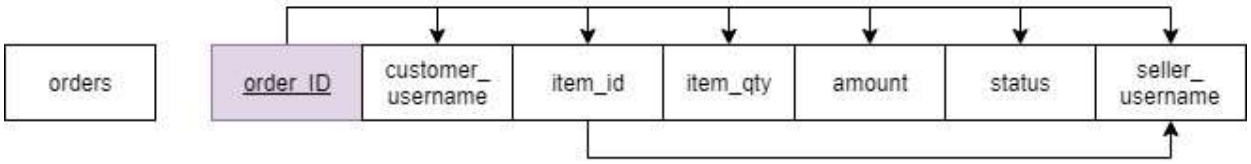
Normalized Tables



Customer_ID ⟶ email , password

Customer_ID ⟶ customer_username

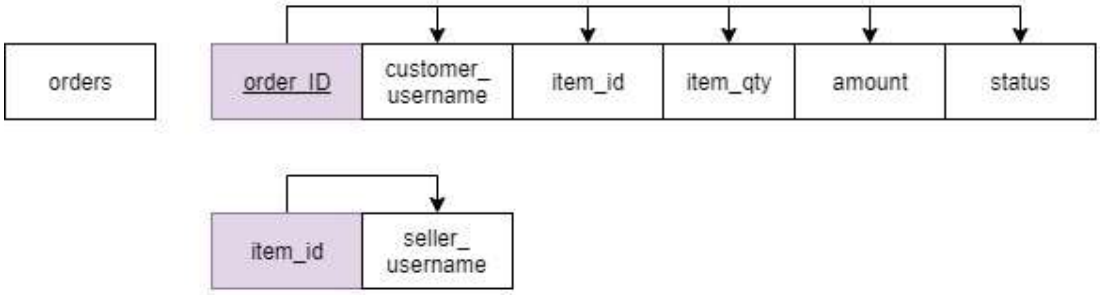
Functional Dependency



ORDER_ID → customer_username , Item_id , Item_qty , amount , status , seller_username

item_id → seller_username

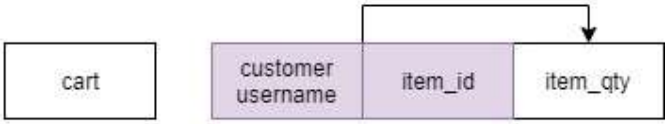
Normalized Tables



ORDER_ID → customer_username , Item_id , Item_qty , amount , status

item_id → seller_username

Functional Dependency



customer_username , item_id → item_qty

REFERENCES

Some Of The Websites Refereed During The Development of The Project

1. **W3SCHOOLS**
2. **STACK OVERFLOW**
3. **MATERIALIZE CSS**
4. **Google Images**
5. **WikiPedia**