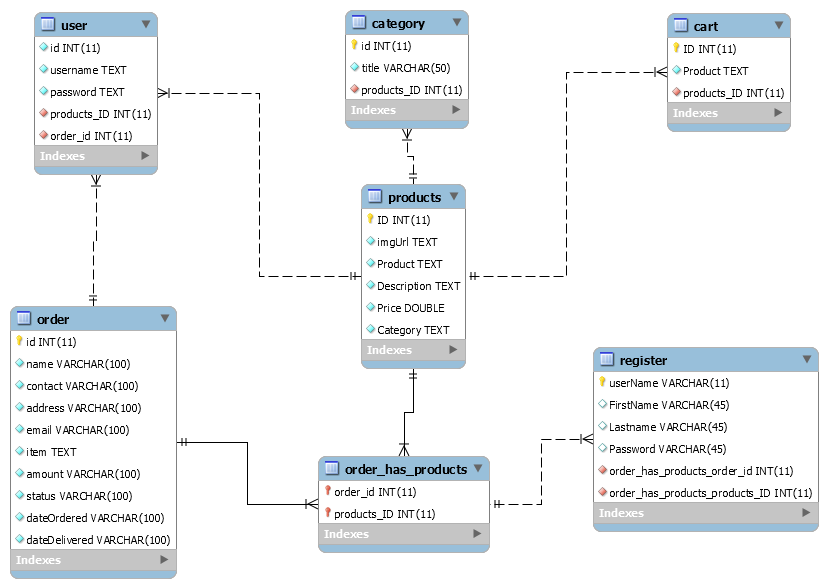
PHP/Apache/MySQL   
Web Application Development

## **e-commerce / Online Shop**

Timos Mukoko K00203438 SD – Group B

# EER Model



# Normalization

PK

category\_id

2NF? Y

title

PK

cart\_id

2NF? Y

Product

PK

products\_ID

2NF? N

imgUrl

Category

Price

Description

Product

PK

user\_id

2NF? N

2NF? N

2NF? N

PK

order\_id

2NF? N

2NF? Y

username

password

2NF? Y

2NF? N

dateDeliverd

dateOrdered

status

amount

item

email

address

contact

name

2NF? N

2NF? N

2NF? N

2NF? N

2NF? N

2NF? N

2NF? N

2NF? N

1. USER TABLE

PK

3NF? Y

3NF? Y

PK

user\_id

products\_ID

user\_id

username

password

PK

3NF? Y

User\_id

Order\_id

3NF? Y

User={user\_id, products\_ID, order\_id, username, password}

1. PRODUCTS TABLE

3NF? Y

products\_ID

imgUrl

Product

Description

Price

Category

3NF? Y

3NF? Y

3NF? Y

3NF? Y

PK

Products={products\_ID, imgUrl, Product, Description, Price, Category}

1. ORDER TABLE

3NF? Y

dateDeliverd

dateOrdered

status

amount

item

email

address

contact

name

3NF? Y

3NF? Y

3NF? Y

3NF? Y

3NF? Y

3NF? Y

3NF? Y

3NF? Y

PK

order\_id

Order={order\_id, name, contact, address, email, amount, status, dateOrdered, dateDelivered}

1. CATEGORY TABLE

PK

3NF? Y

category\_id

title

3NF? Y

PK

products\_ID

category\_id

Category={category\_id, products\_ID, title}

1. CART TABLE

PK

3NF? Y

cart\_id

Product

PK

3NF? Y

products\_ID

cart\_id

Card={card\_id, products\_ID, Product}

ORDER\_AS\_PRODUCTS & REGISTER TABLE -> NF2

2NF? Y

PK

FirstName

order\_id

products\_ID

PK

Lastname

2NF? Y

username\_id

2NF? Y

2NF? Y

Password

3NF? N

PK

FirstName

order\_id

products\_ID

PK

Lastname

3NF? N

username\_id

3NF? Y

3NF? N

Password

1. ORDER\_AS\_PRODUCTS

PK

Username\_id

order\_id

products\_ID

3NF? Y

Oreder\_as\_products={order\_id, products\_id, username\_id}

1. REGISTER TABLE

Lastname

3NF? Y

FirstName

username\_id

PK

3NF? Y

3NF? Y

Password

Register={username\_id, FirstName, Lastname, Password}