Topic:Online Art And Craft Shop

- RISWANA THASNEEM PV
- 2ND YEAR MCA

Project Introduction

- The rise of e-commerce has transformed the way consumers shop for products, offering unprecedented convenience and accessibility. This project aims to develop a robust online art and craft shop using CodeIgniter. The platform will facilitate seamless transactions between buyers, sellers, and delivery personnel, providing a user-friendly experience while leveraging CodeIgniter's ORM capabilities for flexible data management.

Objectives

- Create a scalable e-commerce platform for art and craft products that supports secure transactions and efficient management of user, product, and delivery data.
- Implement distinct user roles (Buyer, Seller, Delivery Boy) with appropriate functionalities to manage and interact with the platform.
- Enable secure payment processing through integration with a third-party payment gateway.
- Incorporate a delivery management system to ensure efficient handling and tracking of orders.

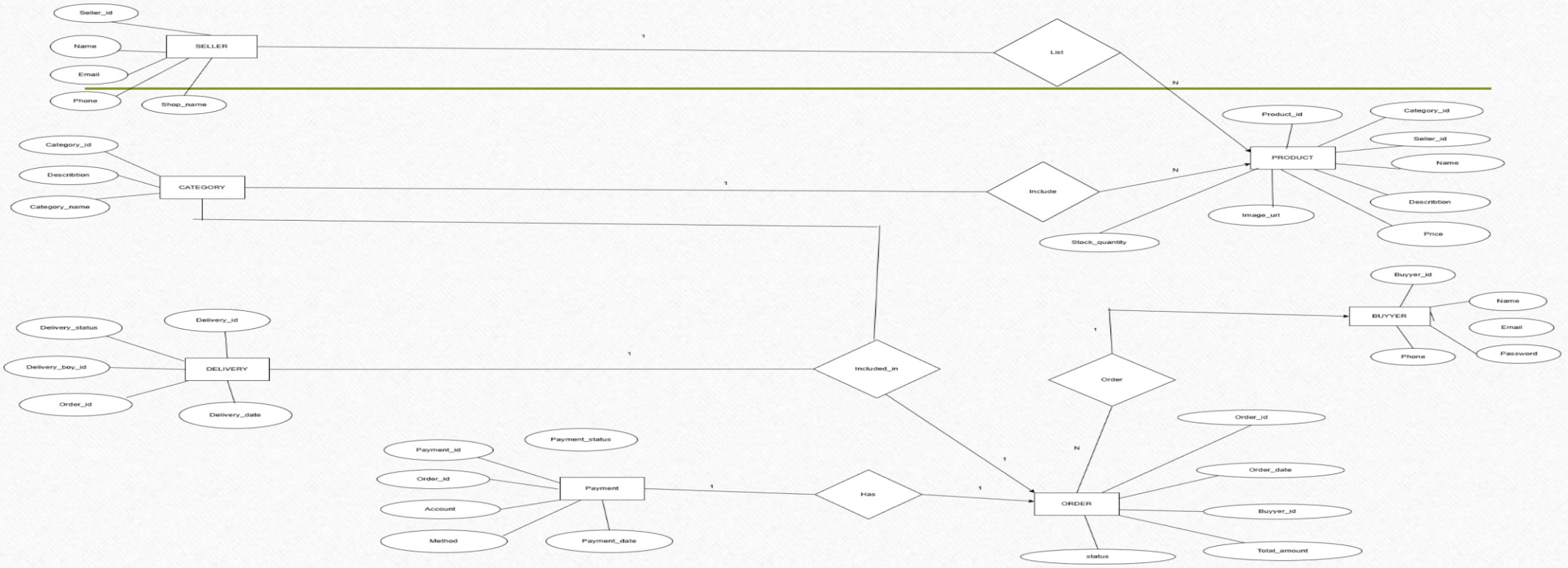
EXISTING SYSTEM

- In the existing system, art and craft products are mostly sold through **physical stores** or small-scale marketplaces. Customers need to **visit the store personally** to browse and buy products. Payment is usually **cash-based**, and order tracking is **manual or not available**. Inventory management is also **manual**, making it difficult to track stock and sales efficiently

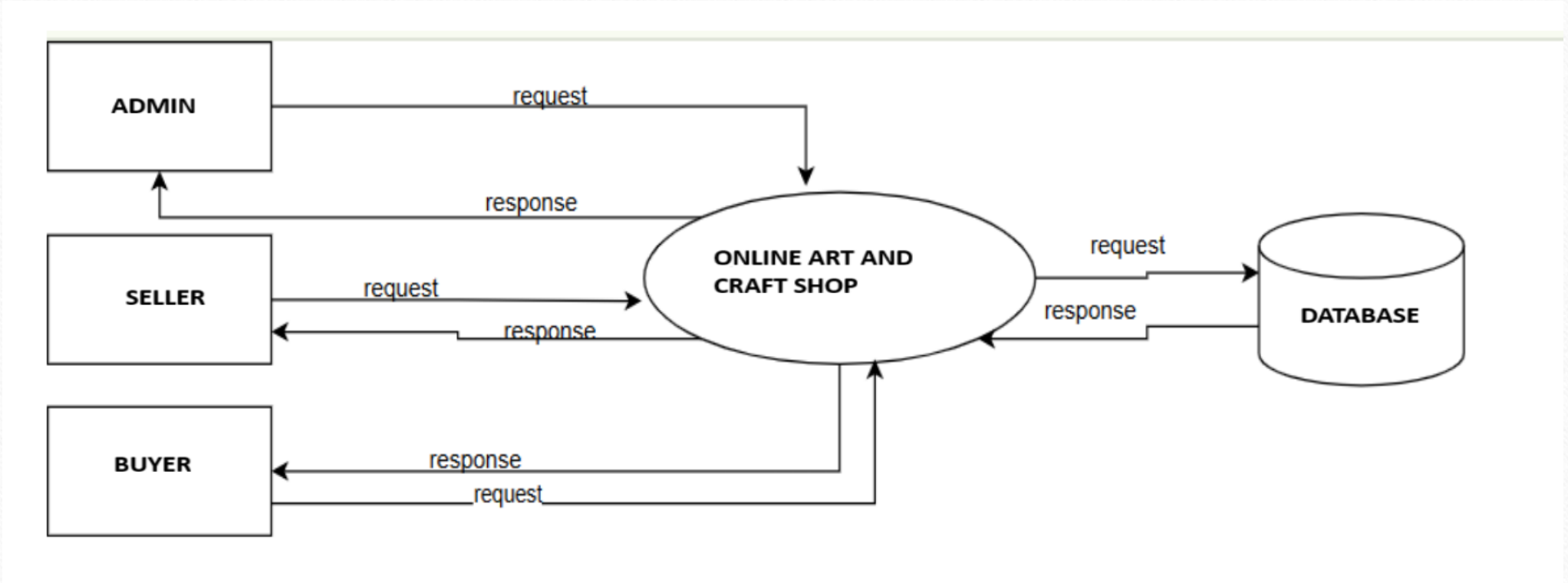
PROPOSED SYSTEM

- The proposed system is an **online platform** for buying and selling art and craft products. It allows customers to **browse products, add to cart, and make secure payments** online, while sellers can **manage their product listings and track orders**

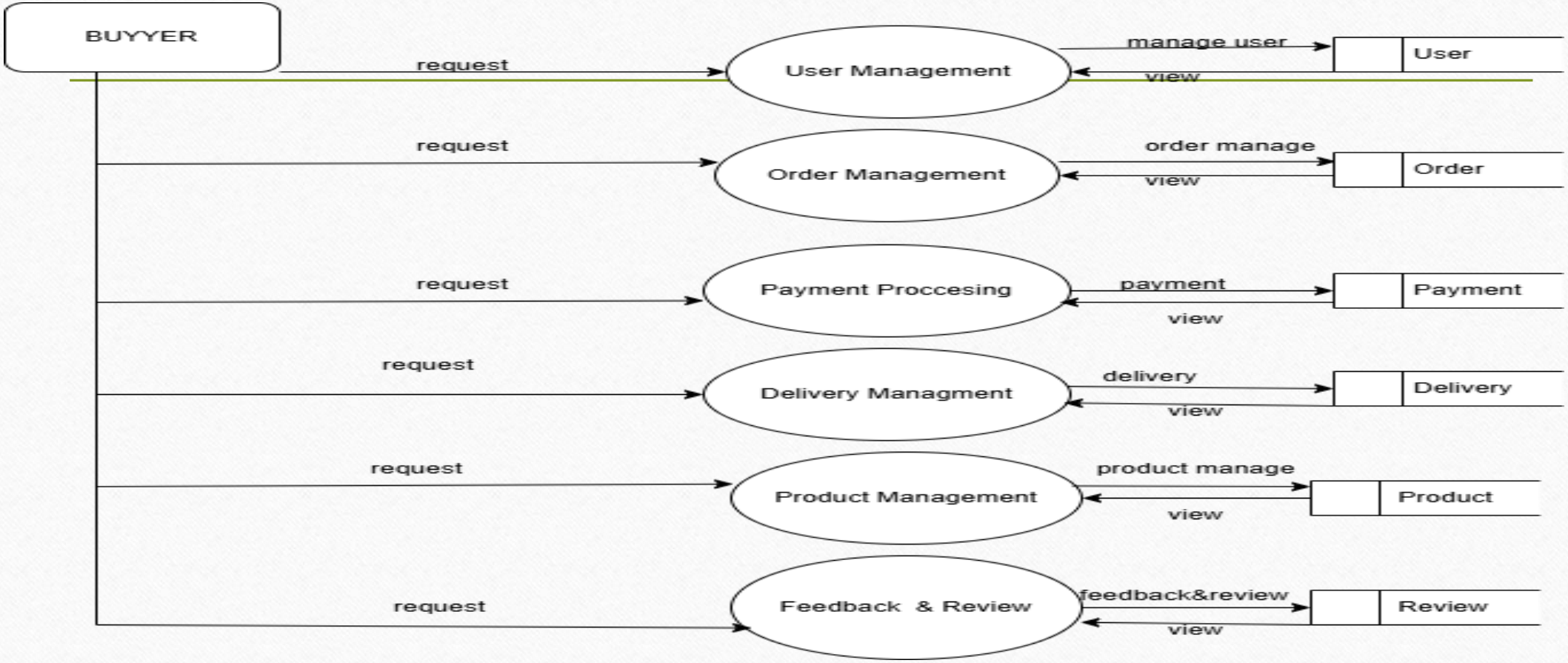
ER Digram


Seller_id
Name
Email
Phone
Shop_name
SELLER
1
List
N
Product_id
Category_id
Seller_id
Name
Describtion
Price
Image_url
Stock_quantity
PRODUCT
Category_id
Describtion
Category_name
CATEGORY
1
Include
N
Buyyer_id
Name
Email
Phone
Password
BUYYER
Delivery_status
Delivery_id
Delivery_boy_id
Order_id
Delivery_date
DELIVERY
1
Included_in
1
Order
N
Order_id
Order_date
Buyyer_id
Total_amount
status
ORDER
Payment_id
Payment_status
Order_id
Account
Method
Payment_date
Payment
1
Has
1

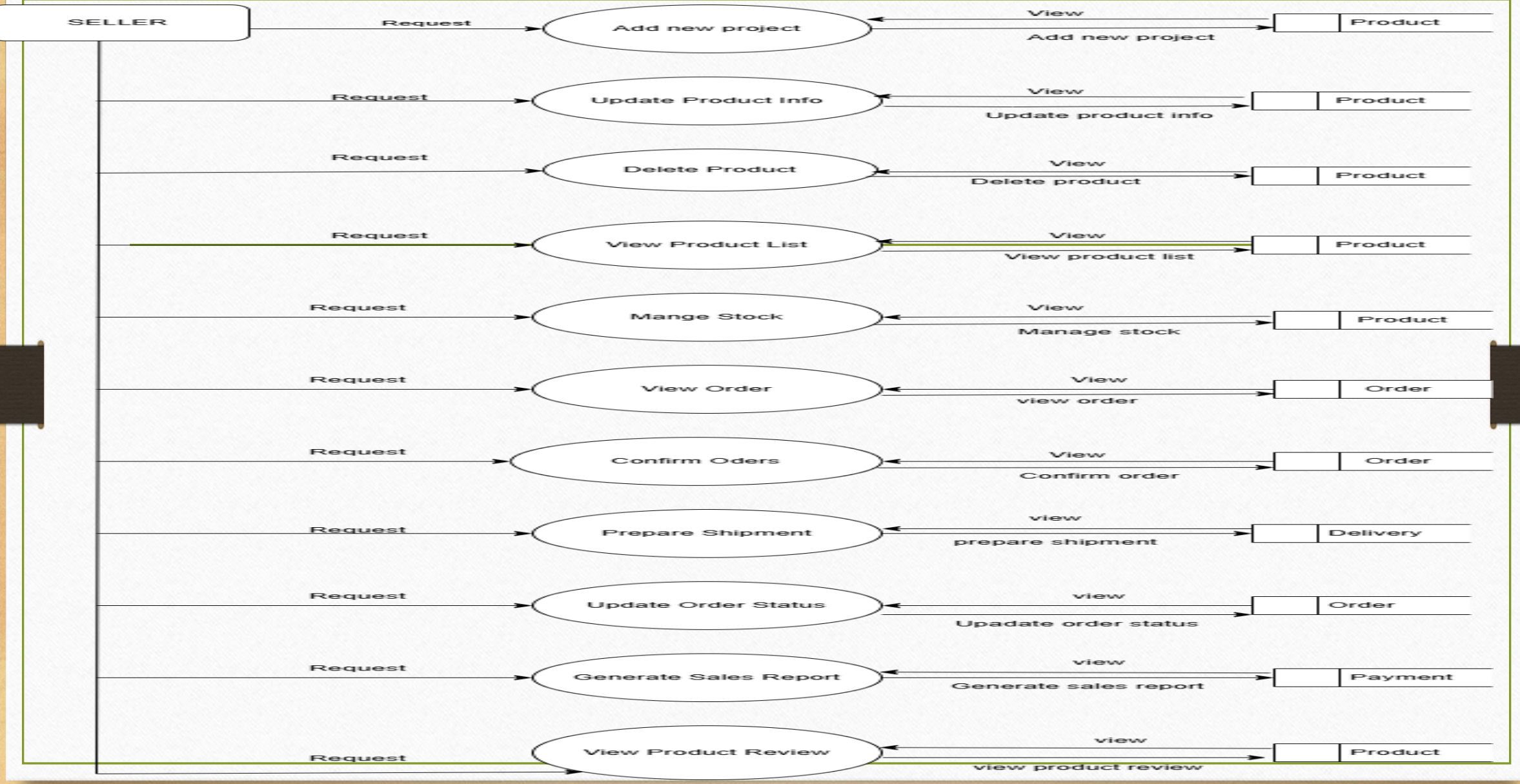
DFD _ Level 0


ADMIN
request
response
SELLER
request
response
ONLINE ART AND CRAFT SHOP
request
response
DATABASE
BUYER
response
request

DFD _ Level 1


BUYYER
request
User Management
manage user
view
User
request
Order Management
order manage
view
Order
request
Payment Proccesing
payment
view
Payment
request
Delivery Managment
delivery
view
Delivery
request
Product Management
product manage
view
Product
request
Feedback & Review
feedback&review
view
Review

Level_2


SELLER
Request
Add new project
View
Add new project
Product
Request
Update Product Info
View
Update product info
Product
Request
Delete Product
View
Delete product
Product
Request
View Product List
View
View product list
Product
Request
Mange Stock
View
Manage stock
Product
Request
View Order
View
view order
Order
Request
Confirm Oders
View
Confirm order
Order
Request
Prepare Shipment
view
prepare shipment
Delivery
Request
Update Order Status
view
Upadate order status
Order
Request
Generate Sales Report
view
Generate sales report
Payment
Request
View Product Review
view
view product review
Product

Database Table _ User Table

Column Name	Data Type	Constraints	Description
id	`INT(10)`	**PRIMARY KEY, AUTO_INCREMENT**	Unique ID for user
username	`VARCHAR(50)`	**NOT NULL**	User login name
password	`VARCHAR(32)`	**NOT NULL**	User password (hashed)
email	`VARCHAR(100)`	**NOT NULL**	User email address
user_type	`VARCHAR(300)`	**NOT NULL**	Type/role of user
notify	`TINYINT(1)`	**DEFAULT 0**	Email notification preference
last_login	`INT(10)`	**NULL**	Last login timestamp

2. Products Table

Column Name	Data Type	Constraints	Description
id	INT(10)	PRIMARY KEY, AUTO_INCREMENT	Unique ID for product
folder	INT(10)	NULL	Folder with images
image	VARCHAR(255)	NOT NULL	Product image filename
time	INT(10)	NOT NULL	Time created
time_update	INT(10)	NOT NULL	Time updated
visibility	TINYINT(1)	DEFAULT 1	Product visibility status
shop_categorie	INT(11)	NOT NULL	Shop category reference
quantity	INT(11)	DEFAULT 0	Available quantity
procurement	INT(10)	NOT NULL	Procurement information

3. Categories Table

Column Name	Data Type	Constraints	Description
id	`INT(10)`	**PRIMARY KEY, AUTO_INCREMENT**	Unique ID for category
sub_for	`INT(11)`	**NOT NULL**	Parent category reference
position	`INT(10)`	**NOT NULL**	Display position order

4. Orders Table

Column Name	Data Type	Constraints	Description
id	INT(10)	PRIMARY KEY, AUTO_INCREMENT	Unique ID for order
order_id	INT(11)	NOT NULL	Order identifier
user_id	INT(10)	FOREIGN KEY REFERENCES users(id), NULL	Customer user reference
products	TEXT	NOT NULL	Ordered products data
date	INT(10)	NOT NULL	Order date timestamp
referrer	VARCHAR(255)	NOT NULL	Order referrer source
clean_referrer	VARCHAR(255)	NOT NULL	Cleaned referrer data
payment_type	VARCHAR(255)	NOT NULL	Payment method used
paypal_status	VARCHAR(10)	NULL	PayPal payment status

5. Payment Table

Column Name	Data Type	Constraints	Description
id	`INT(11)`	**PRIMARY KEY, AUTO_INCREMENT**	Unique ID for product detail
title	`VARCHAR(255)`	**NOT NULL**	Product title
description	`LONGTEXT`	**NOT NULL**	Detailed product description
basic_description	`TEXT`	**NOT NULL**	Basic product description
price	`VARCHAR(20)`	**NOT NULL**	Current product price
old_price	`VARCHAR(20)`	**NOT NULL**	Previous/original price
abbr	`VARCHAR(5)`	**NOT NULL**	Product abbreviation/code
for_id	`INT(11)`	**NOT NULL**	Reference to parent

Conclusion

- The **Online Art and Craft Shop** project successfully demonstrates the design and development of a secure and user-friendly e-commerce platform using **PHP (CodeIgniter), MySQL, and related web technologies**. The system provides distinct functionalities for **buyers, sellers, and delivery personnel**, ensuring a smooth end-to-end In conclusion, the Online Art and Craft Shop provides a practical and scalable solution for promoting handmade art and craft products in the digital marketplace. It not only supports small-scale sellers in reaching a wider audience but also enhances the overall shopping experience for customers. This project thus lays a strong foundation for further research and development in the field of **e-commerce platforms for niche markets**.shopping experience.