

DBMS PROJECT ENDSEM EVALUATION

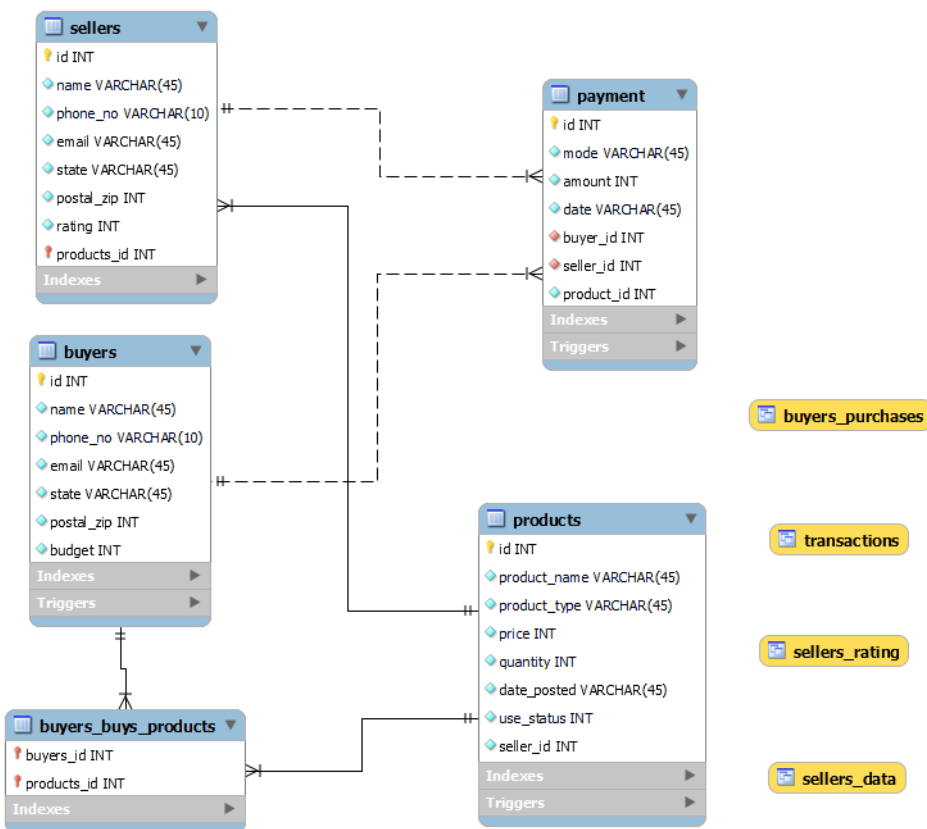
Group 19

Group Members- Kartik Jain, Jay Saraf, Teja Bhavani Shankar Parachoori, Vansh Gupta

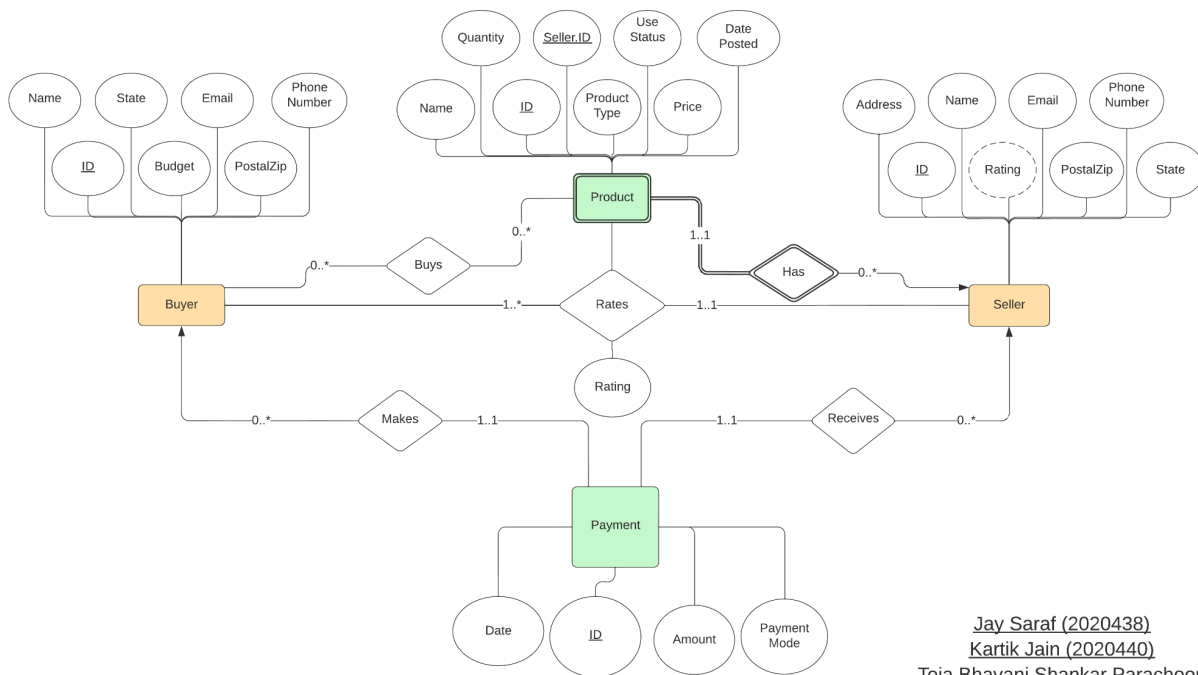
Scope of Project-

To make an online website named **OSW(Online Selling Website)** where people can buy and sell products. It is similar to an existing platform named OLX.

Stakeholders- Sellers, Buyers, Owner



OSW (OLX Clone)
ER Diagram



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Views-

```
CREATE VIEW `transactions` AS
SELECT id,amount,date,mode
FROM payment;
```

```
CREATE VIEW `sellers_rating` AS
SELECT id,name,rating
FROM sellers
ORDER BY rating DESC;
```

```
CREATE VIEW `sellers_data` AS
SELECT id,name,phone_no,rating
FROM sellers;
```

```
CREATE VIEW `buyers_purchases` AS
SELECT buyer_id,product_id,amount
FROM payment
ORDER BY buyer_id ASC;
```

Grants-

```
CREATE USER 'owner'@'localhost';
CREATE USER 'employee'@'localhost';
CREATE USER 'buyer'@'localhost';
CREATE USER 'seller'@'localhost';
```

```
GRANT ALL
ON *.*
TO 'owner';
```

```
GRANT SELECT
ON sellers_rating
TO 'employee'@'localhost';
```

```
GRANT SELECT
ON transactions
TO 'employee'@'localhost';
```

```
GRANT SELECT
ON sellers_data
TO 'employee'@'localhost';
```

```
GRANT SELECT
ON buyers_purchases
TO 'employee'@'localhost';
```

[illegible]

Query 1 endsemeval x

Info Tables Columns Indexes Triggers Views Stored Procedures Functions Grants Events

Table	Name	Unique	Index...	Index Comment	Column	Seq in Index	Packed	Collat...	Cardi...	Sub p...	NULL	Comment
buyers	PRIMARY	Yes	BTREE		id	1		A	1000			
buyers	phone_no_UNIQUE	Yes	BTREE		phone_no	1		A	1002			
payment	PRIMARY	Yes	BTREE		id	1		A	10			
payment	buyer_id_idx	No	BTREE		buyer_id	1		A	9			
payment	seller_id_idx	No	BTREE		seller_id	1		A	10			
products	PRIMARY	Yes	BTREE		id	1		A	14			
sellers	PRIMARY	Yes	BTREE		id	1		A	1000			
sellers	phone_no_UNIQUE	Yes	BTREE		phone_no	1		A	1000			

Triggers-

Budget > 0

```
IF NEW.Budget < 0 THEN SET NEW.Budget = 0;
END IF;
END
```

Product Price

```
IF NEW.Price <= 0 THEN SET NEW. = 10;
END IF;
END
```

Product Qty >0

```
IF NEW.Quantity <= 0 THEN SET NEW.Quantity = 1;
END IF;
END
```

Payment Amount>0

```
IF NEW.Amount <= 0 THEN SET NEW.Amount = 10;
END IF;
END
```

Queries-

```
'INSERT INTO buyers(name,phone_no,email,state,postal_zip,budget) VALUES
(%s,%s,%s,%s,%s,%s)', (bname, bphno, bemail, bstate, bzip, bbudget);
```

```
'SELECT id FROM sellers WHERE id=(SELECT MAX(id) FROM sellers);
```

```
SELECT product_name, product_type, price, quantity FROM products;
```

```
SELECT product_name, product_type, price, quantity FROM products WHERE product_type =
'{filter}';
```

```
SELECT product_name, product_type, price, quantity, state FROM endsemeval.products P,  
endsemeval.sellers S WHERE P.seller_id = S.id AND S.state = '{filterbystate}' AND price <=  
'{filterbyprice}' AND product_type = '{filterbycategory}';
```

```
DELETE FROM products P WHERE P.seller_id = '{sid}' AND P.product_name = '{name}';
```

```
UPDATE products SET product_name = '{nname}' WHERE product_name = '{oldname}' and  
seller_id = '{sid}';
```

```
UPDATE products SET price = '{nprice}' WHERE product_name = '{oldname}' and seller_id =  
'{sid}'
```

```
SELECT id FROM endsemeval.buyers WHERE buyers.phone_no = '{bphno}'
```

```
SELECT id FROM payment WHERE id=(SELECT MAX(id) FROM payment)
```

```
SELECT product_name, product_type, price, quantity, state FROM endsemeval.products P,  
endsemeval.sellers S WHERE P.seller_id = S.id AND S.state = '{filter}';
```