***ANUDIP FOUNDATION***

A Project Report on

**ONLINE GROCERY STORE**

By

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ONLINE GROCERY STORE

An Online Grocery Store (OGS) is a software solution designed to facilitate the efficient management of an online grocery store's operations. The role of Online Grocery Store to enhancing the efficiency, reliability, and customer experience of an online grocery business, ultimately contributing to its success in a competitive market.

**Entities:**

* Admin
* Customer
* Product
* Category
* Order
* OrderDetails
* Cart
* Payment

**VARIOUS ENTITIES:**

1. **Admin**

* AdminID(Primary Key)
* Name

Address

1. **Customer**

* CID(Primary Key)
* CName
* Email
* Address
* Contact
* Password

1. Product

* PID(Primary Key)
* PName
* Price
* PCategory
* PImage

**4 Category**

* CategoryID(Primary key)
* CatName
* CImage
* CDiscount

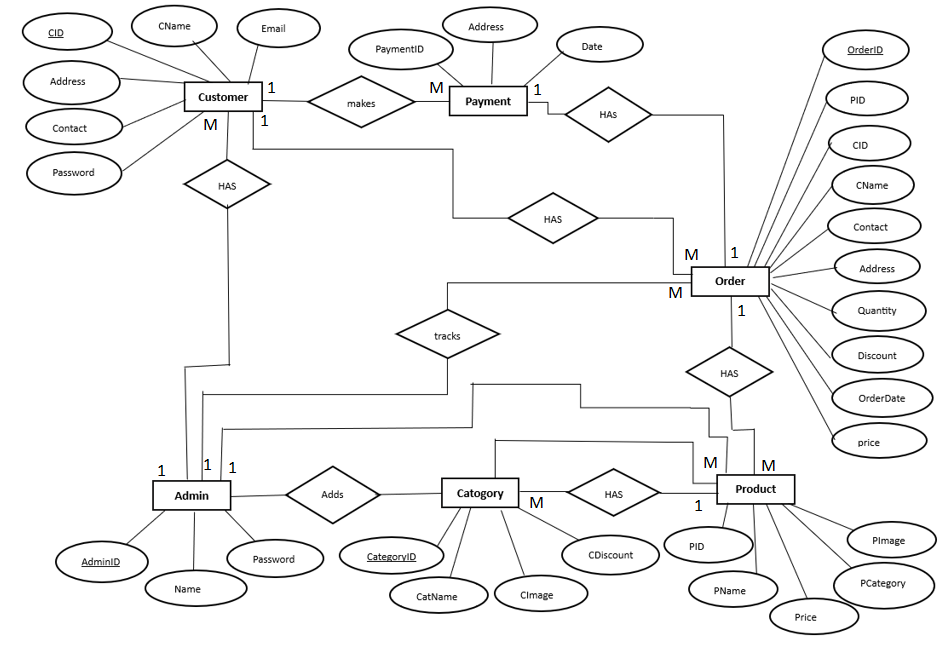
1. ORDER

* OrderID(Primary Key)
* PID(Foreign Key)
* CID(Foreign Key)
* CName
* Contact
* Address
* Quantity
* Discount
* OrderDate
* price

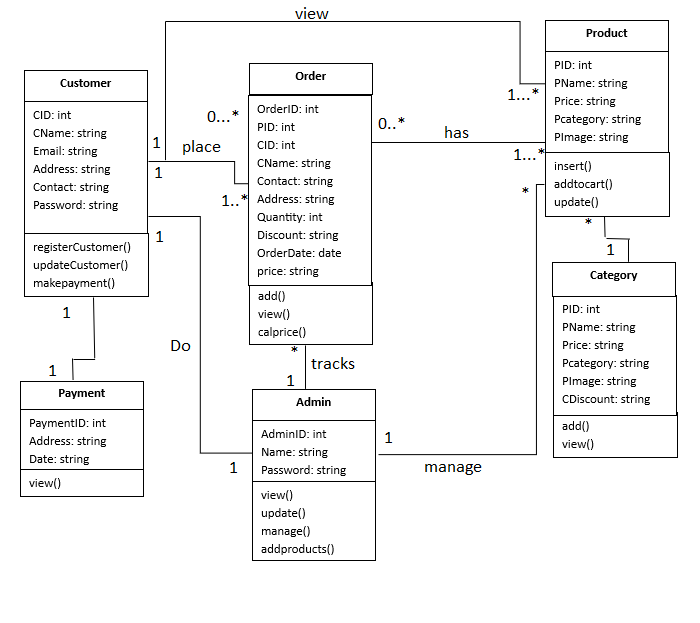
1. Payment

* PaymentID
* Address
* Date

**ENTITY RELATIONSHIP DIAGRAM – ONLINE GROCERY STORE**



**CLASS DIAGRAM FOR ONLINE GROCERY STORE:**

****

**DATABASE CREATION QUERY:**

Enter password: \*\*\*\*\*\*\*\*

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 26

Server version: 8.0.36 MySQL Community Server - GPL

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> create database online\_grocery\_store;

Query OK, 1 row affected (0.01 sec)

mysql> show databases;

+----------------------+

| Database |

+----------------------+

| anudip |

| company |

| country\_info |

| customerservice |

| information\_schema |

| job\_board |

| mysql |

| online\_grocery\_store |

| performance\_schema |

| sys |

+----------------------+

10 rows in set (0.00 sec)

mysql> use online\_grocery\_store;

Database changed

mysql> create table Admin (AdminID int primary key,Name varchar(255),Password varchar(255));

Query OK, 0 rows affected (0.04 sec)

mysql> desc admin;

+----------+--------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+----------+--------------+------+-----+---------+-------+

| AdminID | int | NO | PRI | NULL | |

| Name | varchar(255) | YES | | NULL | |

| Password | varchar(255) | YES | | NULL | |

+----------+--------------+------+-----+---------+-------+

3 rows in set (0.01 sec)

mysql> insert into Admin (AdminID, Name, Password) values (1, 'Aarti', 'aarti@123'),(2, 'shrutika', 'shru@123');

Query OK, 2 rows affected (0.02 sec)

Records: 2 Duplicates: 0 Warnings: 0

mysql> select \* from admin;

+---------+----------+-----------+

| AdminID | Name | Password |

+---------+----------+-----------+

| 1 | Aarti | aarti@123 |

| 2 | shrutika | shru@123 |

+---------+----------+-----------+

2 rows in set (0.00 sec)

mysql> create table Customer (CID int primary key,CName varchar(255),Email varchar(255),Address varchar(255),

Contact varchar(20),Password varchar(255));

Query OK, 0 rows affected (0.04 sec)

mysql> show tables;

+--------------------------------+

| Tables\_in\_online\_grocery\_store |

+--------------------------------+

| admin |

| customer |

+--------------------------------+

2 rows in set (0.00 sec)

mysql> desc customer;

+----------+--------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+----------+--------------+------+-----+---------+-------+

| CID | int | NO | PRI | NULL | |

| CName | varchar(255) | YES | | NULL | |

| Email | varchar(255) | YES | | NULL | |

| Address | varchar(255) | YES | | NULL | |

| Contact | varchar(20) | YES | | NULL | |

| Password | varchar(255) | YES | | NULL | |

+----------+--------------+------+-----+---------+-------+

6 rows in set (0.00 sec)

mysql> insert into Customer (CID, CName, Email, Address, Contact, Password) values

(1, 'Mahi', 'mahi@example.com', '56, Dajipeth, Solapur', '1234567890', 'mahi@123'),

(2, 'Navya', 'navya@example.com', '87, Ravivar Peth, PUNE', '9876543210', 'navya@123'),

(3, 'Sana', 'sana@example.com', '23/1, MIDC, Solapur', '3456789012', 'sana@123'),

(4, 'Amulya', 'amulya@example.com', '9, Navi Peth, Solapur', '5678901234', 'amulya@123'),

(5, 'Kavya', 'kavya@example.com', 'A Group, Karnik Nagar, Solapur', '7890123456', 'kavya@123');

Query OK, 5 rows affected (0.01 sec)

Records: 5 Duplicates: 0 Warnings: 0

mysql> select \* from customer;

+-----+--------+--------------------+--------------------------------+------------+------------+

| CID | CName | Email | Address | Contact | Password |

+-----+--------+--------------------+--------------------------------+------------+------------+

| 1 | Mahi | mahi@example.com | 56, Dajipeth, Solapur | 1234567890 | mahi@123 |

| 2 | Navya | navya@example.com | 87, Ravivar Peth, PUNE | 9876543210 | navya@123 |

| 3 | Sana | sana@example.com | 23/1, MIDC, Solapur | 3456789012 | sana@123 |

| 4 | Amulya | amulya@example.com | 9, Navi Peth, Solapur | 5678901234 | amulya@123 |

| 5 | Kavya | kavya@example.com | A Group, Karnik Nagar, Solapur | 7890123456 | kavya@123 |

+-----+--------+--------------------+--------------------------------+------------+------------+

5 rows in set (0.00 sec)

mysql> create table Product (PID int primary key,PName varchar(255),Price varchar(255),PCategory varchar(255),PImage varchar(255));

Query OK, 0 rows affected (0.03 sec)

mysql> desc product;

+-----------+--------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+-----------+--------------+------+-----+---------+-------+

| PID | int | NO | PRI | NULL | |

| PName | varchar(255) | YES | | NULL | |

| Price | varchar(255) | YES | | NULL | |

| PCategory | varchar(255) | YES | | NULL | |

| PImage | varchar(255) | YES | | NULL | |

+-----------+--------------+------+-----+---------+-------+

5 rows in set (0.00 sec)

mysql> insert into Product (PID,PName, Price, PCategory, PImage) values (1,'Neem Plant', 190, 'outdoor', 'neem\_plant.jpg'),(2,'Peace Lily', 150, 'indoor', 'peace\_lily.jpg'),(3,'Money Plant', 200, 'indoor', 'money\_plant.jpg'),(4,'Andenium Plant', 250, 'Flowering', 'andenium\_plant.jpg'),(5,'Curry Leaves', 100, 'outdoor', 'curry\_leaves.jpg');

Query OK, 5 rows affected (0.02 sec)

Records: 5 Duplicates: 0 Warnings: 0

mysql> select \* from product;

+-----+----------------+-------+-----------+--------------------+

| PID | PName | Price | PCategory | PImage |

+-----+----------------+-------+-----------+--------------------+

| 1 | Neem Plant | 190 | outdoor | neem\_plant.jpg |

| 2 | Peace Lily | 150 | indoor | peace\_lily.jpg |

| 3 | Money Plant | 200 | indoor | money\_plant.jpg |

| 4 | Andenium Plant | 250 | Flowering | andenium\_plant.jpg |

| 5 | Curry Leaves | 100 | outdoor | curry\_leaves.jpg |

+-----+----------------+-------+-----------+--------------------+

5 rows in set (0.00 sec)

mysql> create table Category (CategoryID int primary key,CatName varchar(255),CImage varchar(255),CDiscount varchar(255));

Query OK, 0 rows affected (0.03 sec)

mysql> desc category;

+------------+--------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+------------+--------------+------+-----+---------+-------+

| CategoryID | int | NO | PRI | NULL | |

| CatName | varchar(255) | YES | | NULL | |

| CImage | varchar(255) | YES | | NULL | |

| CDiscount | varchar(255) | YES | | NULL | |

+------------+--------------+------+-----+---------+-------+

4 rows in set (0.00 sec)

mysql> insert into Category (CategoryID, CatName, CImage, CDiscount) values (1, 'indoor', 'indoor\_plants.jpg', '25%'),

(2, 'outdoor', 'outdoor\_plants.jpg', '18%'),(3, 'flowering', 'flowering\_plants.jpg', '20%'),(4, 'herbs', 'herbs\_plants.jpg', '10%'),(5, 'climbers', 'climbers.jpg', '15%');

Query OK, 5 rows affected (0.01 sec)

Records: 5 Duplicates: 0 Warnings: 0

mysql> select \* from category;

+------------+-----------+----------------------+-----------+

| CategoryID | CatName | CImage | CDiscount |

+------------+-----------+----------------------+-----------+

| 1 | indoor | indoor\_plants.jpg | 25% |

| 2 | outdoor | outdoor\_plants.jpg | 18% |

| 3 | flowering | flowering\_plants.jpg | 20% |

| 4 | herbs | herbs\_plants.jpg | 10% |

| 5 | climbers | climbers.jpg | 15% |

+------------+-----------+----------------------+-----------+

5 rows in set (0.00 sec)

mysql> create table Orders (OrderID int primary key not null,PID int,CID int,CName varchar(255),Contact varchar(255),

Address varchar(255),Quantity int,Discount varchar(255),OrderDate date,Price varchar(255),

foreign key (PID) references Product(PID),foreign key (CID) references Customer(CID));

Query OK, 0 rows affected (0.06 sec)

mysql> desc orders;

+-----------+--------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+-----------+--------------+------+-----+---------+-------+

| OrderID | int | NO | PRI | NULL | |

| PID | int | YES | MUL | NULL | |

| CID | int | YES | MUL | NULL | |

| CName | varchar(255) | YES | | NULL | |

| Contact | varchar(255) | YES | | NULL | |

| Address | varchar(255) | YES | | NULL | |

| Quantity | int | YES | | NULL | |

| Discount | varchar(255) | YES | | NULL | |

| OrderDate | date | YES | | NULL | |

| Price | varchar(255) | YES | | NULL | |

+-----------+--------------+------+-----+---------+-------+

10 rows in set (0.01 sec)

mysql> insert into Orders (OrderID, PID, CID, CName, Contact, Address, Quantity, Discount, OrderDate, Price) values

(1, 1, 1, 'Mahi', '1234567890', '56, Dajipeth, Solapur', 2, '15%', '2024-05-05', '190'),

(2, 2, 2, 'Navya', '9876543210', '87, Ravivar Peth, PUNE', 3, '25%', '2024-05-06', '150'),

(3, 3, 3, 'Sana', '3456789012', '23/1, MIDC, Solapur', 1, '18%', '2024-05-07', '200'),

(4, 4, 4, 'Amulya', '5678901234', '9, Navi Peth, Solapur', 2, '20%', '2024-05-08', '250'),

(5, 5, 5, 'Kavya', '7890123456', 'A Group, Karnik Nagar, Solapur', 1, '10%', '2024-05-09', '100');

Query OK, 5 rows affected (0.05 sec)

Records: 5 Duplicates: 0 Warnings: 0

mysql> select \* from orders;

+---------+------+------+--------+------------+--------------------------------+----------+----------+------------+-------+

| OrderID | PID | CID | CName | Contact | Address | Quantity | Discount | OrderDate | Price |

+---------+------+------+--------+------------+--------------------------------+----------+----------+------------+-------+

| 1 | 1 | 1 | Mahi | 1234567890 | 56, Dajipeth, Solapur | 2 | 15% | 2024-05-05 | 190 |

| 2 | 2 | 2 | Navya | 9876543210 | 87, Ravivar Peth, PUNE | 3 | 25% | 2024-05-06 | 150 |

| 3 | 3 | 3 | Sana | 3456789012 | 23/1, MIDC, Solapur | 1 | 18% | 2024-05-07 | 200 |

| 4 | 4 | 4 | Amulya | 5678901234 | 9, Navi Peth, Solapur | 2 | 20% | 2024-05-08 | 250 |

| 5 | 5 | 5 | Kavya | 7890123456 | A Group, Karnik Nagar, Solapur | 1 | 10% | 2024-05-09 | 100 |

+---------+------+------+--------+------------+--------------------------------+----------+----------+------------+-------+

5 rows in set (0.00 sec)

mysql> create table Payment (PaymentID int primary key,OrderID int,Address varchar(255),Date date,foreign key (OrderID) references Orders(OrderID));

Query OK, 0 rows affected (0.05 sec)

mysql> desc payment;

+-----------+--------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+-----------+--------------+------+-----+---------+-------+

| PaymentID | int | NO | PRI | NULL | |

| OrderID | int | YES | MUL | NULL | |

| Address | varchar(255) | YES | | NULL | |

| Date | date | YES | | NULL | |

+-----------+--------------+------+-----+---------+-------+

4 rows in set (0.00 sec)

mysql> insert into Payment (PaymentID, OrderID, Address, Date) values (1, 1, '56, Dajipeth, Solapur', '2024-05-05'),

(2, 2, '87, Ravivar Peth, PUNE', '2024-05-06'),(3, 3, '23/1, MIDC, Solapur', '2024-05-07'),(4, 4, '9, Navi Peth, Solapur', '2024-05-08'),

(5, 5, 'A Group, Karnik Nagar, Solapur', '2024-05-9');

Query OK, 5 rows affected (0.01 sec)

Records: 5 Duplicates: 0 Warnings: 0

mysql> select \* from payment;

+-----------+---------+--------------------------------+------------+

| PaymentID | OrderID | Address | Date |

+-----------+---------+--------------------------------+------------+

| 1 | 1 | 56, Dajipeth, Solapur | 2024-05-05 |

| 2 | 2 | 87, Ravivar Peth, PUNE | 2024-05-06 |

| 3 | 3 | 23/1, MIDC, Solapur | 2024-05-07 |

| 4 | 4 | 9, Navi Peth, Solapur | 2024-05-08 |

| 5 | 5 | A Group, Karnik Nagar, Solapur | 2024-05-09 |

+-----------+---------+--------------------------------+------------+

5 rows in set (0.00 sec)

mysql> show tables;

+--------------------------------+

| Tables\_in\_online\_grocery\_store |

+--------------------------------+

| admin |

| category |

| customer |

| orders |

| payment |

| product |

+--------------------------------+

6 rows in set (0.00 sec)

mysql>