***ANUDIP FOUNDATION***

A Project Report on

**ONLINE GROCERY STORE**

By

Batch: ANP-C7344

Student ID: AF0368605

Name: Shrutika Sambharam

**Under the Guidance of**

Mrs. Rajshri Chandrabhan Thete

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
* Order
* Order\_detail
* Cart

**VARIOUS ENTITIES:**

1. Admin

* AdminID(Primary Key)
* Name
* Email
* Added\_date
* Password

1. Customer

* Customer\_id(Primary Key)
* Name
* Email
* Phone
* Gender
* Address
* Added\_date
* Pin\_code
* Password

1. Product

* Product\_id(Primary Key)
* Name
* Price
* Mrp\_price
* Image
* Description

1. Order

* Order\_id(Primary key)
* Cust\_name
* Cust\_email
* Cust\_phone
* Cust\_address
* Cust\_address\_type
* Amount
* Order\_date
* Pin\_code

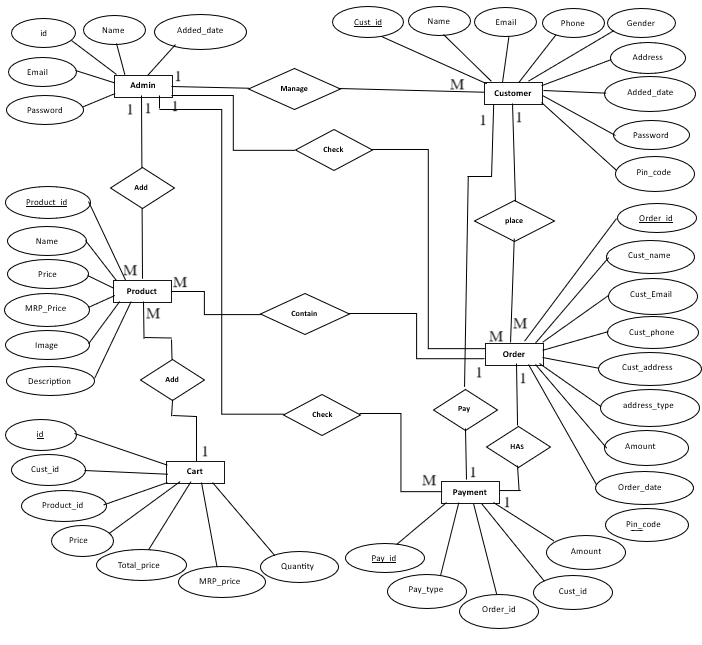
1. Payment

* Pay\_id(Primary Key)
* Pay\_type
* Order\_id(Foreign Key)
* Cust\_id(Foreign Key)
* Amount

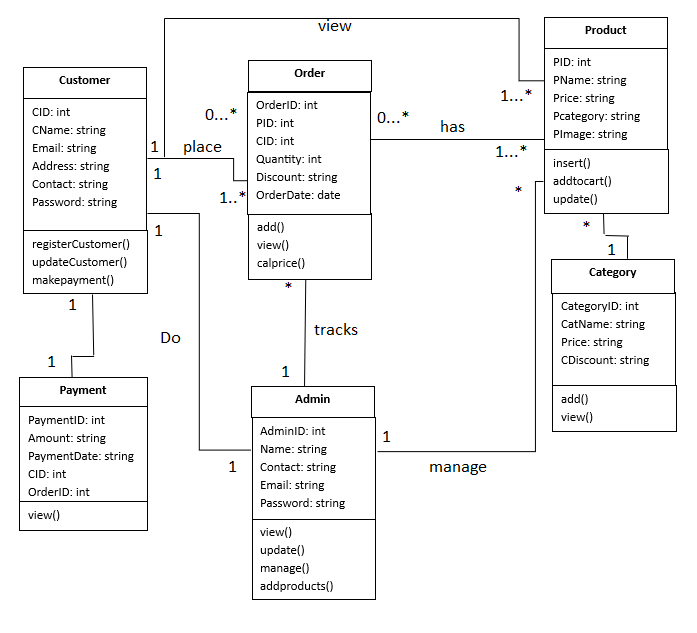
1. Cart

* Cart\_id(Primary Key)
* Customer\_id(Foreign Key)
* Product\_id(Foreign Key)
* Price
* Total\_price
* mrp\_price
* Ouantity

**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 1059

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> show databases;

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

| Database |

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

| anudip |

| company |

| country\_info |

| customerservice |

| information\_schema |

| job\_board |

| mysql |

| online\_grocery\_store |

| online\_grocery\_system |

| performance\_schema |

| shopping-cart |

| sys |

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

12 rows in set (0.00 sec)

mysql> create database general\_stores;

Query OK, 1 row affected (0.05 sec)

mysql> use general\_stores;

Database changed

mysql> CREATE TABLE ‘admin’ ( ‘id’ bigint(20) NOT NULL, ‘added\_date’ datetime NOT NULL,’email’ varchar(100) NOT NULL,’password’ varchar(255) NOT NULL,’name’ varchar(255) NOT NULL) ENGINE=MyISAM DEFAULT CHARSET=latin1;

Query OK, 0 rows affected, 1 warning (0.14 sec)

mysql> desc admin;

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

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

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

| id | bigint | NO | PRI | NULL | auto\_increment |

| added\_date | datetime | NO | | NULL | |

| email | varchar(100) | NO | UNI | NULL | |

| password | varchar(255) | NO | | NULL | |

| name | varchar(255) | NO | | NULL | |

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

5 rows in set (0.00 sec)

mysql> INSERT INTO admin (id, added\_date, email, password, name) VALUES(1, '2024-06-25 00:46:08', 'sss@gmail.com', 'sss@123', 'Shrutika');

Query OK, 1 row affected (0.04 sec)

mysql> select \* from admin;

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

| id | added\_date | email | password | name |

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

| 1 | 2024-06-25 00:46:08 | sss@gmail.com | sss@123 | Shrutika |

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

1 row in set (0.00 sec)

mysql> CREATE TABLE `cart` ( `id` bigint(20) NOT NULL,`price` double NOT NULL,`quantity` int(11) NOT NULL,`total\_price` double NOT NULL,`customer\_id` bigint(20) NOT NULL,`product\_id` bigint(20) NOT NULL,`mrp\_price` double NOT NULL) ENGINE=MyISAM DEFAULT CHARSET=latin1;

Query OK, 0 rows affected, 4 warnings (0.05 sec)

mysql> desc cart;

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

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

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

| id | bigint | NO | PRI | NULL | auto\_increment |

| price | double | NO | | NULL | |

| quantity | int | NO | | NULL | |

| total\_price | double | NO | | NULL | |

| customer\_id | bigint | NO | MUL | NULL | |

| product\_id | bigint | NO | MUL | NULL | |

| mrp\_price | double | NO | | NULL | |

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

7 rows in set (0.00 sec)

mysql> INSERT INTO `cart` (`id`, `price`, `quantity`, `total\_price`, `customer\_id`, `product\_id`, `mrp\_price`) VALUES (5, 190, 1, 190, 1, 11, 200);

Query OK, 1 row affected (0.01 sec)

mysql> CREATE TABLE `contact` (`id` bigint(20) NOT NULL,`contact\_date` datetime NOT NULL,`email` varchar(50) NOT NULL,`message` varchar(1000) NOT NULL,`name` varchar(50) NOT NULL,`subject` varchar(50) NOT NULL) ENGINE=MyISAM DEFAULT CHARSET=latin1;

Query OK, 0 rows affected, 1 warning (0.05 sec)

mysql> desc contact;

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

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

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

| id | bigint | NO | PRI | NULL | auto\_increment |

| contact\_date | datetime | NO | | NULL | |

| email | varchar(50) | NO | | NULL | |

| message | varchar(1000) | NO | | NULL | |

| name | varchar(50) | NO | | NULL | |

| subject | varchar(50) | NO | | NULL | |

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

6 rows in set (0.00 sec)

mysql> INSERT INTO `customer` (`id`, `address`, `added\_date`, `email`, `gender`, `name`, `password`, `phone`, `valid`, `pin\_code`) VALUES (1, 'Ashock Chouk, Solapur', '2024-06-26 11:11:01', 'aartisherla@gmail.com', 'female', 'Aarti', '$2a$10$QQeMRbMjnXys3cDIvvozH.dpxxCLD9d0b5Pz092djiwkSLW1YJ/Vy', '1223334560', b'1', '400330');

Query OK, 1 row affected (0.04 sec)

mysql> CREATE TABLE `customer` (`id` bigint(20) NOT NULL,`address` varchar(255) NOT NULL,`added\_date` datetime NOT NULL,`email` varchar(100) NOT NULL,`gender` varchar(6) NOT NULL,`name` varchar(50) NOT NULL,`password` varchar(60) NOT NULL,`phone` varchar(10) NOT NULL,`valid` bit(1) NOT NULL,`pin\_code` varchar(255) NOT NULL) ENGINE=MyISAM DEFAULT CHARSET=utf8;

Query OK, 0 rows affected, 2 warnings (0.05 sec)

mysql> desc customer;

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

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

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

| id | bigint | NO | PRI | NULL | auto\_increment |

| address | varchar(255) | NO | | NULL | |

| added\_date | datetime | NO | | NULL | |

| email | varchar(100) | NO | UNI | NULL | |

| gender | varchar(6) | NO | | NULL | |

| name | varchar(50) | NO | | NULL | |

| password | varchar(60) | NO | | NULL | |

| phone | varchar(10) | NO | UNI | NULL | |

| valid | bit(1) | NO | | NULL | |

| pin\_code | varchar(255) | NO | | NULL | |

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

10 rows in set (0.00 sec)

mysql> INSERT INTO `customer` (`id`, `address`, `added\_date`, `email`, `gender`, `name`, `password`, `phone`, `valid`, `pin\_code`) VALUES (1, 'Ashock Chouk, Solapur', '2024-06-26 11:11:01', 'aartisherla@gmail.com', 'female', 'Aarti', '$2a$10$QQeMRbMjnXys3cDIvvozH.dpxxCLD9d0b5Pz092djiwkSLW1YJ/Vy', '1223334560', b'1', '400330');

Query OK, 1 row affected (0.05 sec)

mysql> CREATE TABLE `orders` (`id` bigint(20) NOT NULL,`active` bit(1) NOT NULL,`amount` double NOT NULL,`customer\_address` varchar(255) NOT NULL,`customer\_address\_type` varchar(15) NOT NULL,`customer\_email` varchar(50) NOT NULL,`customer\_name` varchar(30) NOT NULL,`customer\_phone` varchar(10) NOT NULL,`order\_date` datetime NOT NULL,`order\_num` int(11) NOT NULL,`pin\_code` varchar(10) NOT NULL) ENGINE=MyISAM DEFAULT CHARSET=latin1;

Query OK, 0 rows affected, 2 warnings (0.05 sec)

mysql> desc orders;

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

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

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

| id | bigint | NO | PRI | NULL | auto\_increment |

| active | bit(1) | NO | | NULL | |

| amount | double | NO | | NULL | |

| customer\_address | varchar(255) | NO | | NULL | |

| customer\_address\_type | varchar(15) | NO | | NULL | |

| customer\_email | varchar(50) | NO | | NULL | |

| customer\_name | varchar(30) | NO | | NULL | |

| customer\_phone | varchar(10) | NO | | NULL | |

| order\_date | datetime | NO | | NULL | |

| order\_num | int | NO | UNI | NULL | |

| pin\_code | varchar(10) | NO | | NULL | |

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

11 rows in set (0.00 sec)

mysql> INSERT INTO `orders` (`id`, `active`, `amount`, `customer\_address`, `customer\_address\_type`, `customer\_email`, `customer\_name`, `customer\_phone`, `order\_date`, `order\_num`, `pin\_code`) VALUES

(237, b'1', 284, ' Ashock Chouk, Solapur', 'Home', 'aartisherla@gmail.com', 'Aarti', '1223334560', '2024-06-27 19:59:26', 1000, '400330'),

(238, b'1', 95, ' Ashock Chouk, Solapur', 'Home', ' aartisherla@gmail.com', ' Aarti ', '1223334560', '2024-06-27 19:59:26', 1001, '400330'),

(239, b'1', 65, ' Ashock Chouk, Solapur', 'Home', ' aartisherla@gmail.com', ' Aarti ', '1223334560', '2024-06-27 19:59:26', 1002, '400330');

Query OK, 3 rows affected (0.05 sec)

Records: 3 Duplicates: 0 Warnings: 0

mysql> CREATE TABLE `order\_detail` (`id` bigint(20) NOT NULL,`amount` double NOT NULL,`price` double NOT NULL,`quantity` int(11) NOT NULL,`order\_id` bigint(20) NOT NULL,`product\_id` bigint(20) NOT NULL,

`payment\_id` int(11) NOT NULL,

`order\_status` varchar(25) NOT NULL,

`mrp\_price` double NOT NULL,

`payment\_mode` varchar(25) NOT NULL

) ENGINE=MyISAM DEFAULT CHARSET=latin1;

Query OK, 0 rows affected, 5 warnings (0.05 sec)

mysql> desc order\_detail;

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

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

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

| id | bigint | NO | PRI | NULL | auto\_increment |

| amount | double | NO | | NULL | |

| price | double | NO | | NULL | |

| quantity | int | NO | | NULL | |

| order\_id | bigint | NO | MUL | NULL | |

| product\_id | bigint | NO | MUL | NULL | |

| payment\_id | int | NO | | NULL | |

| order\_status | varchar(25) | NO | | NULL | |

| mrp\_price | double | NO | | NULL | |

| payment\_mode | varchar(25) | NO | | NULL | |

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

10 rows in set (0.00 sec)

mysql> INSERT INTO `order\_detail` (`id`, `amount`, `price`, `quantity`, `order\_id`, `product\_id`, `payment\_id`, `order\_status`, `mrp\_price`, `payment\_mode`) VALUES (232, 284, 142, 2, 237, 10, 1000, 'Delivered', 150, 'COD'),(233, 95, 95, 1, 238, 9, 1000, 'Delivered', 100, 'COD'),(234, 65, 65, 1, 239, 5, 1000, 'Delivered', 72, 'COD');

Query OK, 3 rows affected (0.04 sec)

Records: 3 Duplicates: 0 Warnings: 0

mysql> CREATE TABLE `product` (`id` bigint(20) NOT NULL,`active` bit(1) NOT NULL,`code` varchar(5) NOT NULL,`create\_date` datetime NOT NULL,`description` varchar(255) NOT NULL,`image` varchar(100) DEFAULT NULL,`name` varchar(30) NOT NULL,`price` double NOT NULL,`mrp\_price` double NOT NULL

) ENGINE=MyISAM DEFAULT CHARSET=latin1;

Query OK, 0 rows affected, 1 warning (0.06 sec)

mysql> desc product;

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

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

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

| id | bigint | NO | PRI | NULL | auto\_increment |

| active | bit(1) | NO | | NULL | |

| code | varchar(5) | NO | UNI | NULL | |

| create\_date | datetime | NO | | NULL | |

| description | varchar(255) | NO | | NULL | |

| image | varchar(100) | YES | | NULL | |

| name | varchar(30) | NO | | NULL | |

| price | double | NO | | NULL | |

| mrp\_price | double | NO | | NULL | |

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

9 rows in set (0.00 sec)

mysql> INSERT INTO `product` (`id`, `active`, `code`, `create\_date`, `description`, `image`, `name`, `price`, `mrp\_price`) VALUES

(1, b'1', 'P01', '2024-06-28 02:58:36', 'Chana Dal 1Kg', '/resources/JTurDal1kgPRMING65XX50717\_1\_P.jpg', 'Chana Dal 1Kg', 99, 105),

(2, b'1', 'P02', '2024-06-28 02:59:56', 'Moong Dal 1kg', '/resources/JMoongDal1kgPRMING58XX50717\_1\_P.jpg', 'Moong Dal 1kg', 160, 168),

(3, b'1', 'P03', '2024-06-28 03:02:21', 'Premium Toor Dal 1kg', '/resources/JTurDal1kgPRMING65XX50717\_1\_P.jpg', 'Premium Toor Dal 1kg', 120, 125),

(4, b'1', 'P04', '2024-06-28 03:03:41', 'Premium Urad Dal 1kg', '/resources/JUradDal500gmPRMING72XX50717\_1\_P.jpg', 'Urad Dal 1kg', 160, 165),

(5, b'1', 'P05', '2024-06-28 03:05:06', 'Best Quality Masoor Dal 500gm', '/resources/JMasoorDal1kgPRMING55XX50717\_1\_P.jpg', 'Masoor Dal 500gm', 65, 72),

(6, b'1', 'P06', '2024-6-28 03:12:16', 'Premium Quality Singdana', '/resources/images.jpg', 'Singdana(Groundnut) 1kg', 160, 165),

(7, b'1', 'P07', '2024-06-28 03:13:44', 'Premium Quality singdana', '/resources/images.jpg', 'Singdana(Groundnut) 500gm', 70, 75),

(8, b'1', 'P08', '2024-06-28 01:01:54', 'Kabuli Chana 500gm', '/resources/download.jpg', 'Kabuli Chana 500gm', 70, 75),

(9, b'1', 'P09', '2024-06-28 19:42:35', 'Green Moong Dal 500gm', '/resources\\Green Moong.jpg', 'Green Moong Dal', 95, 100),

(10, b'1', 'P10', '2024-06-28 19:43:27', 'Sabudana 1kg', '/resources\\Webp.net-resizeimage (4).jpg', 'Sabudana ', 142, 150),

(11, b'1', 'P11', '2024-06-28 20:04:32', 'Rajma 1kg', '/resources\\Webp.net-resizeimage.jpg', 'Rajma', 190, 200);

Query OK, 11 rows affected (0.04 sec)

Records: 11 Duplicates: 0 Warnings: 0

mysql> ALTER TABLE `admin` ADD PRIMARY KEY (`id`), ADD UNIQUE KEY `UK\_c0r9atamxvbhjjvy5j8da1kam` (`email`);

Query OK, 1 row affected (0.08 sec)

Records: 1 Duplicates: 0 Warnings: 0

mysql> ALTER TABLE `cart`ADD PRIMARY KEY (`id`),ADD KEY `CART\_CUST\_FK` (`customer\_id`),ADD KEY `CART\_PROD\_FK` (`product\_id`);

Query OK, 1 row affected (0.09 sec)

Records: 1 Duplicates: 0 Warnings: 0

mysql> ALTER TABLE `contact`ADD PRIMARY KEY (`id`);

Query OK, 1 row affected (0.09 sec)

Records: 1 Duplicates: 0 Warnings: 0

mysql> ALTER TABLE `customer`ADD PRIMARY KEY (`id`),ADD UNIQUE KEY `UK\_dwk6cx0afu8bs9o4t536v1j5v` (`email`),ADD UNIQUE KEY `UK\_o3uty20c6csmx5y4uk2tc5r4m` (`phone`);

Query OK, 1 row affected (0.09 sec)

Records: 1 Duplicates: 0 Warnings: 0

mysql> ALTER TABLE `orders`ADD PRIMARY KEY (`id`),ADD UNIQUE KEY `UK\_o6e714ot0hclyvhlcte6vc4mr` (`order\_num`),ADD UNIQUE KEY `UKo6e714ot0hclyvhlcte6vc4mr` (`order\_num`);

Query OK, 3 rows affected, 1 warning (0.09 sec)

Records: 3 Duplicates: 0 Warnings: 1

mysql> ALTER TABLE `order\_detail`ADD PRIMARY KEY (`id`),ADD KEY `ORDER\_DETAIL\_ORD\_FK` (`order\_id`),ADD KEY `ORDER\_DETAIL\_PROD\_FK` (`product\_id`);

Query OK, 3 rows affected (0.09 sec)

Records: 3 Duplicates: 0 Warnings: 0

mysql> ALTER TABLE `product`ADD PRIMARY KEY (`id`),ADD UNIQUE KEY `UK\_h3w5r1mx6d0e5c6um32dgyjej` (`code`);

Query OK, 11 rows affected (0.09 sec)

Records: 11 Duplicates: 0 Warnings: 0

mysql> ALTER TABLE `admin` MODIFY `id` bigint(20) NOT NULL AUTO\_INCREMENT, AUTO\_INCREMENT=2;

Query OK, 1 row affected, 1 warning (0.09 sec)

Records: 1 Duplicates: 0 Warnings: 1

mysql> ALTER TABLE `cart` MODIFY `id` bigint(20) NOT NULL AUTO\_INCREMENT, AUTO\_INCREMENT=6;

Query OK, 1 row affected, 1 warning (0.09 sec)

Records: 1 Duplicates: 0 Warnings: 1

mysql> ALTER TABLE `contact` MODIFY `id` bigint(20) NOT NULL AUTO\_INCREMENT, AUTO\_INCREMENT=3;

Query OK, 1 row affected, 1 warning (0.09 sec)

Records: 1 Duplicates: 0 Warnings: 1

mysql> ALTER TABLE `customer` MODIFY `id` bigint(20) NOT NULL AUTO\_INCREMENT, AUTO\_INCREMENT=9;

Query OK, 1 row affected, 1 warning (0.09 sec)

Records: 1 Duplicates: 0 Warnings: 1

mysql> ALTER TABLE `orders` MODIFY `id` bigint(20) NOT NULL AUTO\_INCREMENT, AUTO\_INCREMENT=240;

Query OK, 3 rows affected, 1 warning (0.09 sec)

Records: 3 Duplicates: 0 Warnings: 1

mysql> ALTER TABLE `order\_detail` MODIFY `id` bigint(20) NOT NULL AUTO\_INCREMENT, AUTO\_INCREMENT=235;

Query OK, 3 rows affected, 1 warning (0.09 sec)

Records: 3 Duplicates: 0 Warnings: 1

mysql> ALTER TABLE `product` MODIFY `id` bigint(20) NOT NULL AUTO\_INCREMENT, AUTO\_INCREMENT=12;

Query OK, 11 rows affected, 1 warning (0.10 sec)

Records: 11 Duplicates: 0 Warnings: 1

mysql> show tables;

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

| Tables\_in\_general\_stores |

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

| admin |

| cart |

| contact |

| customer |

| order\_detail |

| orders |

| product |

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

7 rows in set (0.00 sec)