

## 1. Admin table: (adminID, email\_ID, username, password)

<b>adminID</b>	INT NOT NULL
<b>email_ID</b>	VARCHAR (255) NOT NULL
<b>username</b>	VARCHAR (255) UNIQUE NOT NULL
<b>password</b>	VARCHAR (255) NOT NULL

## 2. Customer table: (userID, emailID, first\_name, middle\_name, last\_name, phoneID, date\_of\_birth, age, house\_number, street\_name, city, pincode, state)

<b>userID</b>	INT NOT NULL AUTO_INCREMENT
<b>password</b>	VARCHAR (255) NOT NULL
<b>first_name</b>	VARCHAR (255) NOT NULL
<b>middle_name</b>	VARCHAR (255)
<b>last_name</b>	VARCHAR (255)
<b>email_ID</b>	VARCHAR (255) NOT NULL
<b>phoneID</b>	INT UNIQUE NOT NULL
<b>date_of_birth</b>	DATE NOT NULL

Age	INT
	NOT NULL
house_number	INT
	NOT NULL
street_name	VARCHAR (255)
	NOT NULL
City	VARCHAR (255)
	NOT NULL
pincode	INT
	NOT NULL

### 3. Coupons table: (coupanID, expiry\_date, discount\_percentage, description, coupan\_code)

coupanID	INT
	NOT NULL
expiry_date	DATE
	NOT NULL
discount_percentage	INT
	NOT NULL
description	TEXT
coupan_code	VARCHAR (50)
	NOT NULL

### 4. Product table: (productID, name, description, price, imageID)

productID	INT
	NOT NULL
	AUTO_INCREMENT
name	VARCHAR (255)
	NOT NULL
description	TEXT
price	DECIMAL (10,2)

	NOT NULL
<b>imageID</b>	INT
	NOT NULL

## 5. Category table: (categoryID, category\_name)

<b>categoryID</b>	INT
	NOT NULL
<b>category_name</b>	VARCHAR (255)
	NOT NULL

## 6. Delivery agent table: (uniqueID, first\_name, middle\_name, last\_name, phoneID)

<b>uniqueID</b>	INT
	NOT NULL
	AUTO_INCREMENT
<b>first_name</b>	VARCHAR (255)
	NOT NULL
<b>middle_name</b>	VARCHAR (255)
<b>last_name</b>	VARCHAR (255)
<b>phoneID</b>	INT
	UNIQUE
	NOT NULL

## 7. Transactions table: (transactionID, date\_of\_transaction, amount, transaction\_status, payment\_name)

<b>transactionID</b>	INT
	NOT NULL
	UNIQUE
<b>date_of_transaction</b>	DATE
<b>amount</b>	INT
	NOT NULL
<b>transactions_status</b>	VARCHAR (150)

	NOT NULL
payment_name	VARCHAR (255)
	NOT NULL

## 8. Order table: (orderID, house\_number, street\_name, city, pincode, state, total\_amount)

orderID	INT
	NOT NULL
house_number	INT
	NOT NULL
street_name	VARCHAR (255)
	NOT NULL
city	VARCHAR (255)
	NOT NULL
pincode	INT
	NOT NULL
state	VARCHAR (255)
	NOT NULL
total_amount	INT
	NOT NULL

## 9. Cart table: (cartID, total\_amount)

total_amount	INT
cartID	INT
	NOT NULL

10. Reviews table: (reviewID, description, review\_date, review\_rating)

<b>reviewID</b>	INT <b>NOT NULL</b>
<b>description</b>	TEXT
<b>review_date</b>	DATE NOT NULL
<b>review_rating</b>	INT NOT NULL

11. Phone number table: (phone\_number)

<b>phone_number</b>	CHAR (15) <b>NOT NULL</b>
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12. Product images table: (image\_url)

<b>image_url</b>	VARCHAR (255) <b>NOT NULL</b>
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## **Data Population and Data Insertion:-**

**(All of the following files are in the ZIP Attached)**

- DataBaseSchema.txt: It has all the Create table commands and the creation of index too. Each entity has been covered up there and a table has been created for the same with constraints too.
- In the Directory: /DataPopulation: It contains all the insertion sql commands for each entity with the name format as "entity.txt". Example: Customer.txt has the insert commands for the Customer Table. Likewise we have all the files for each table we created.
- In the Directory: /Dataset: It contains all the csv files (Data) we have used for the data insertion commands. The data was generated by using the website: [Mockaroo](#).
- Generator.py: This is a python script which was used to write the insert command by using the file handling and some basic logic.

## **Contributions**

- Nikhil Kumar (2022322): Wrote the python script for the generation of insert query and generated datasets.
- Vipul (2022576): Wrote the Commands for Table creation and helped in dataset Generation.
- Nitin Kumar (2022337): Wrote the Commands for the Index Creation and Made the pdf document and helped in brainstorming the ideas.