

**\*\* Databse structure \*\***

**## user**

- user\_id int(50) auto\_generate primary key;
- full\_name varchar(100);
- email varchar(100);
- phone varchar(15);
- password varchar(100);

**## products**

- product\_id int(50) auto\_generate primary key;
- product\_name varchar(20);
- description varchar(1000);
- price float(5);
- image\_url String(50);
- category\_id int(50) foreign key category\_id;

**## cart**

- cart\_id int(50) auto\_generate primary key;
- product\_id int(50) foreign key product\_id;
- user\_id int(50) foreign key user\_id;
- quantity int(10);

**## orders**

- order\_id int(50) auto\_generate primary key;
- user\_id int(50) foreign key user.id;
- cart\_id int(50) foreign key cart\_id;
- total lfloat(10);
- timestamp CURRENT\_TIMESTAMP;

**## category**

- category\_id int(50) auto\_generate primary key
- category\_name varchar(50);

**## reviews**

- user\_id int(50) foreign key user\_id;
- product\_id int(50) foreign key product\_id;
- rating int(5);
- comment varchar(100);

**\*\* Database queries \*\***

```
CREATE TABLE `user` (  
  `user_id` INT(50) AUTO_INCREMENT PRIMARY KEY,  
  `full_name` VARCHAR(100),  
  `email` VARCHAR(100),  
  `phone` VARCHAR(15),  
  `password` VARCHAR(100)  
);
```

```
CREATE TABLE `products` (  
  `product_id` INT(50) AUTO_INCREMENT PRIMARY KEY,  
  `product_name` VARCHAR(20),
```

```
`description` VARCHAR(1000),  
`price` FLOAT(5),  
`image_url` VARCHAR(50),  
`category_id` INT(50),  
FOREIGN KEY (`category_id`) REFERENCES `category` (`category_id`)  
);
```

```
CREATE TABLE `cart` (  
  `cart_id` INT(50) AUTO_INCREMENT PRIMARY KEY,  
  `product_id` INT(50),  
  `user_id` INT(50),  
  `quantity` INT(10)  
);
```

```
CREATE TABLE `orders` (  
  `order_id` INT(50) AUTO_INCREMENT PRIMARY KEY,  
  `user_id` INT(50),  
  `cart_id` INT(50),  
  `total` FLOAT(10),  
  `timestamp` TIMESTAMP DEFAULT CURRENT_TIMESTAMP,  
  FOREIGN KEY (`user_id`) REFERENCES `user` (`user_id`),  
  FOREIGN KEY (`cart_id`) REFERENCES `cart` (`cart_id`)  
);
```

```
CREATE TABLE `category` (  
  `category_id` INT(50) AUTO_INCREMENT PRIMARY KEY,  
  `category_name` VARCHAR(50)  
);
```

```
CREATE TABLE `reviews` (  
  `review_id` INT(50) AUTO_INCREMENT PRIMARY KEY,  
  `user_id` INT(50),  
  `product_id` INT(50),  
  `rating` INT(5),  
  `comment` VARCHAR(100),  
  FOREIGN KEY (`user_id`) REFERENCES `user` (`user_id`),  
  FOREIGN KEY (`product_id`) REFERENCES `products` (`product_id`)  
);
```