

Intern – Backend PHP Assessment



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The Problem

There is a pharmacy. With the owner, Manager and Cashier. So they need a system to reduce their workload and a more efficient system than manual processes. This pharmacy has the following operations.

- Maintain Inventory (medicines)
- Maintain Customer records (Including customer details)

But there are some restrictions. For this system,

- “add Items/add customers” operations are only done by Owner. Others should not have privileges for adding Items or customers.
- Cashiers can ‘Remove Items” and “Edit items” but cannot do any other operations.
- Manager can Update and delete customer details, but cannot do any other operations.

For the above system they need a proper user logging mechanism for managing above mentioned policies.

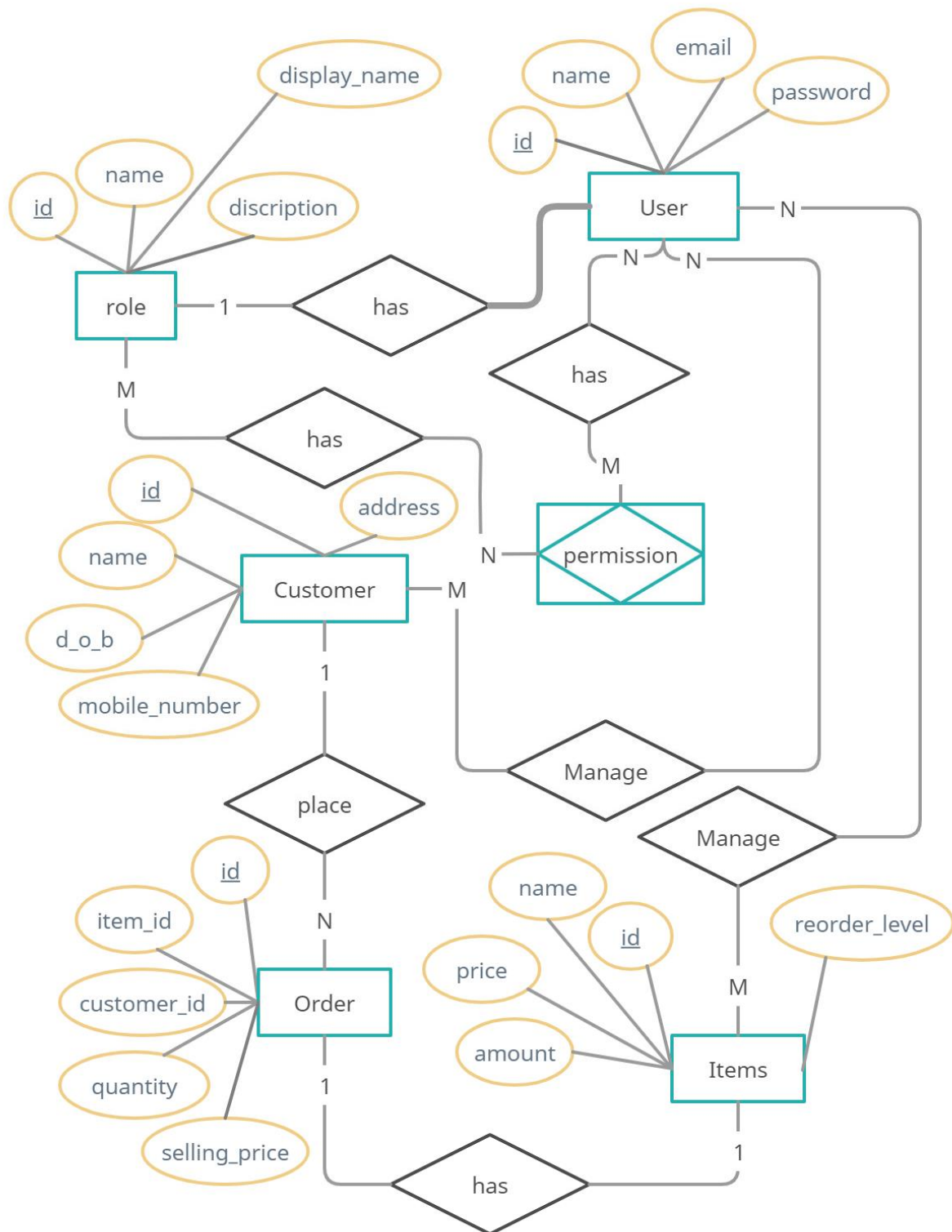
Assumptions

- Owner can also do
 - register users for the system
 - update, read and delete customer details and item details.
- Manager, Cashier can also do
 - login for the system.
 - But can't read or create customers or items.

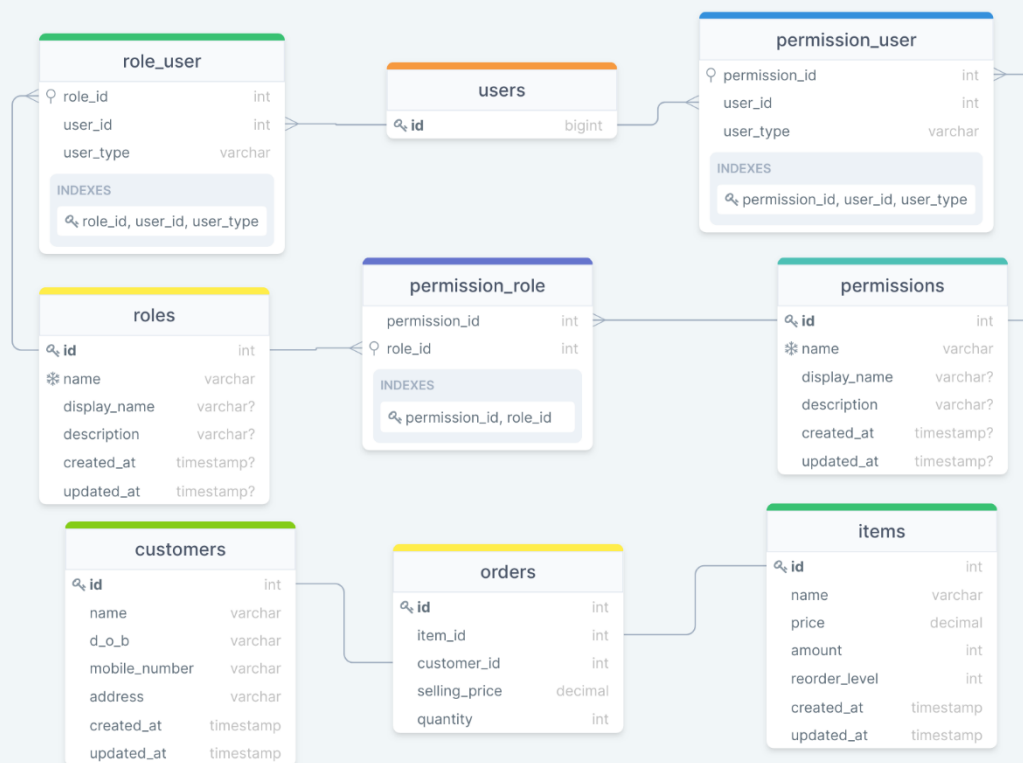
GitHub Repository Link

https://github.com/SumuduPriyabhashinee/PharmacyManagement_System

ER Diagram



Database Diagram



Postman Request Collection

User Register

POST: <http://127.0.0.1:8000/api/register>

```
{
  "name": "Anupa Kariyawasam",
  "role": 1,
  "email": "anupa@gmail.com",
  "password": "123456"
}
```

User Logout

POST: <http://127.0.0.1:8000/api/logout>

User Login

POST: <http://127.0.0.1:8000/api/login>

```
{
  "email": "anupa@gmail.com",
  "password": "123456"
}
```

Add Customer

POST: <http://127.0.0.1:8000/api/customer/add>

```
{
  "name": "Janaka Silva",
  "d_o_b": "1990/08/25",
  "mobile_number": "0721496658",
  "address": "Wakwella Road, Galle"
}
```

View Customer

List

GET: <http://127.0.0.1:8000/api/customerlist>

By Id

GET: <http://127.0.0.1:8000/api/customer/details/1>

Update Customer

PUT: <http://127.0.0.1:8000/api/customer/update/2>

```
{
  "name": "Saman Kumara",
  "d_o_b": "1979/11/03",
  "mobile_number": "0772596321",
  "address": "Aluthwala Road, Baddegama"
}
```

Delete Customer

DELETE: <http://127.0.0.1:8000/api/customer/delete/2>

Add Item

POST: <http://127.0.0.1:8000/api/item/add>

```
{
  "name": "Parasitamol",
  "price": 25.00,
  "amount": 2000,
  "reorder_level": 500
}
```

View Item

List

GET: <http://127.0.0.1:8000/api/itemlist>

By Id

GET: <http://127.0.0.1:8000/api/item/details/1>

Update Item

PUT: <http://127.0.0.1:8000/api/item/update/3>

```
{
  "name": "Vitamin C",
  "price": 78.50,
  "amount": 3000,
  "reorder_level": 700
}
```

Delete Item

DELETE: <http://127.0.0.1:8000/api/item/delete/2>

Add Order

POST: <http://127.0.0.1:8000/api/order/add>

```
{  
  "item_id":1,  
  "customer_id":1,  
  "selling_price":40.00,  
  "quantity":200  
}
```

Delete Order

DELETE: <http://127.0.0.1:8000/api/order/delete/>

View Item

List

GET: <http://127.0.0.1:8000/api/orderlist>

By Id

GET: <http://127.0.0.1:8000/api/order/details/>