- **Class Diagram**

bill_customer

PK	**customer_id : BIGINT**

first_name : VARCHAR

last_name : VARCHAR

contact_no : VARCHAR

edit_details();

delete_cust();

add_cust();

serach_cust();

user

PK	**user_id : BIGINT**

email_id : VARCHAR

password : VARCHAR

first_name : VARCHAR

last_name : VARCHAR

contact_no : VARCHAR

address : VARCHAR

DOB/age : DATE

add_user();

serach_user();

edit_details();

delete_user();

record_user

PK	**r_id : BIGINT**

user_type : VARCHAR

first_name : VARCHAR

last_name : VARCHAR

contact_no : VARCHAR

total_balance : BIGINT

edit_details();

add_user();

find_user();

gets details

create new bill

gets customer details

bill_history

PK	**index_no: BIGINT**
FK	customer_id : BIGINT
FK	item_id : BIGINT

record_date : DATE

quantity: INT

download_history_data();

search_bill();

generate_copy();

adds item

gets customer details

creates transaction

register user

item

PK	**item_id : BIGINT**

item_name : VARCHAR

unit : VARCHAR

purchase_price : INT

sell_price : INT

opening_stock : INT

closing_stock : INT

image : BLOB

add_item();

delete_item()

edit_details();

low_stock();

all_stock();

transaction

PK	**transaction_id : BIGINT**
FK	r_id : BIGINT

record_date : DATE

description : VARCHAR

time_limit : DATE

got_amount : INT

gave_amount: INT

total_gave(); (total amount user need to pay)

total_give(); (total amount user has given to others)

list_gave();

list_give();