

***Ahsanullah University of Science & Technology***  
Department of Computer Science & Engineering

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**Project Name:**  
**Billing Management System**

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**Database Lab(CSE 3104)**

Submitted By:

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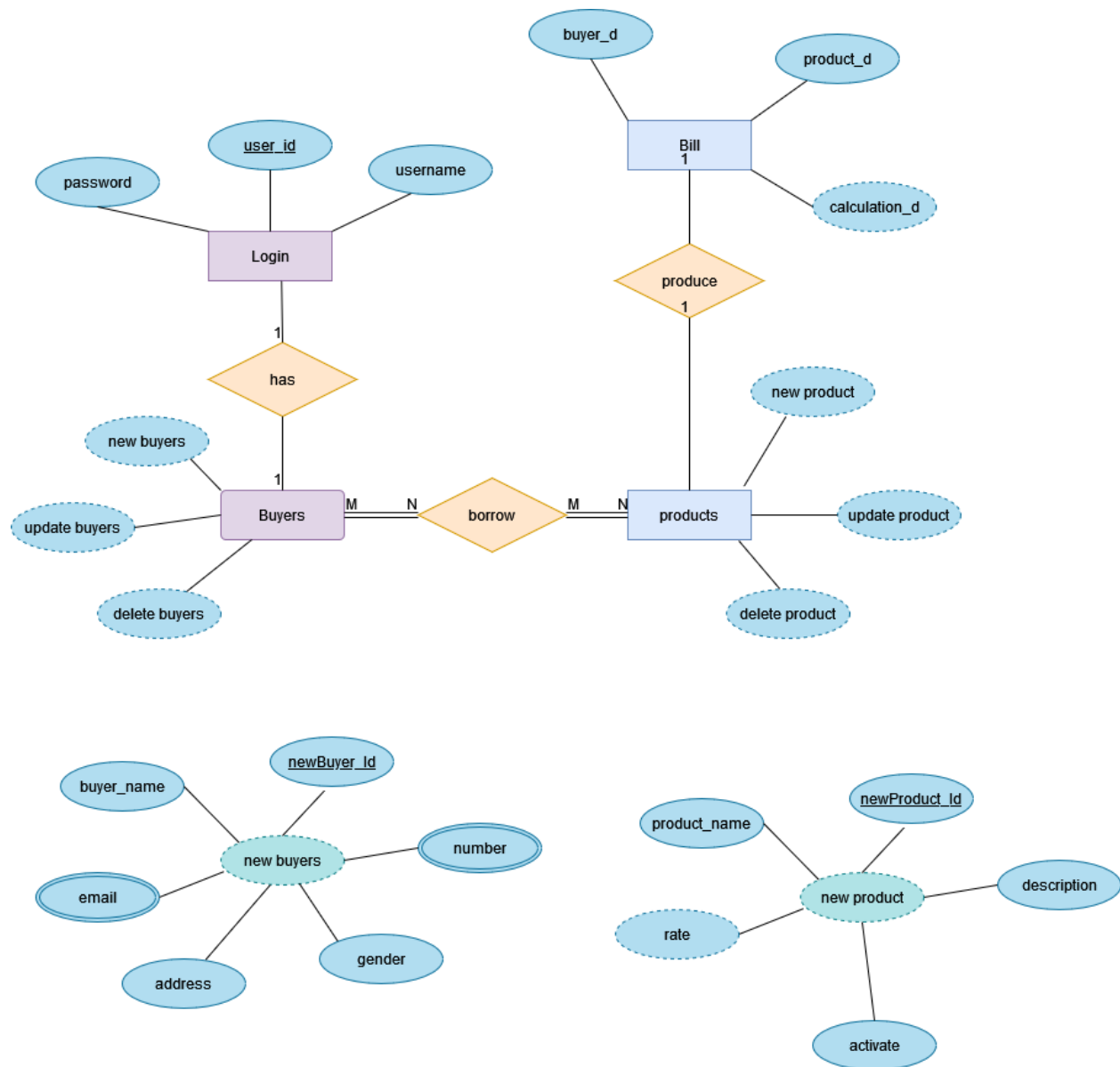
# 1. Summary

In this BMS project there will be buyers who can buy products from online and new buyers can add themselves by online registration process. There will be two major panel. 1. Buyer panel where we can insert new customers. Besides there will be some key features like Update buyers, delete buyers, update product etc. 2. Product panel where products are stored and there also some features where admin can add, update or delete product from the database. Basically we are supplying various type of computer parts, hardwares & softwares etc to the buyers and our BMS will generate a bill to the them.

## 2. Features:

- Insert Buyers: where we can add new customers.
- Update Buyers: where Buyer information can be updated from database
- Delete Buyers: where we can delete buyers from database.
- Buyer Details: where we can see all our customers and there information.
- Add Product: we can add multiple products.
- Update Product: this feature can be useful when we need to update product price or other components.
- Delete Product: if the product is not available we can delete them from database.
- Product details: where we can see all the available products.
- Billing form: A bill will be generated for the customers.
- Sign in/Log out: there will be a sign in page and a login button.

### 3. ER Diagram:



## 4.Queries:

```
CREATE TABLE NewBuyer
(
    newBuyerId int IDENTITY(100,1) PRIMARY KEY,
    name varchar(50) NOT NULL,
    number Numeric(11) NOT NULL,
    email varchar(50) NOT NULL,
    addres varchar(50) NOT NULL,
    gender varchar(50) NOT NULL,
)
```

```
CREATE TABLE NewProduct
(
    newProductId int IDENTITY(1,1) PRIMARY KEY,
    pname varchar(50) NOT NULL,
    prate Numeric(8,2) NOT NULL,
    pdescription varchar(50) NOT NULL,
    activate varchar(50) NOT NULL,
)
```

```
try{
    Class.forName("com.microsoft.sqlserver.jdbc.SQLServerDriver");
    String url="jdbc:sqlserver://localhost:1433;databaseName=BMS;user=siam;password=siam";
    Connection con = DriverManager.getConnection(url);

    String query="insert into NewBuyer (name,number,email,addres,gender) values(?,?,?,?,?) ";

    String value =newBuyerId.getText();
    String query = "UPDATE NewBuyer SET name=?, number=?, email=?, addres=?, gender=? where newBuyerId="+value;
    PreparedStatement pst = con.prepareStatement(query);

    String value =newBuyerId.getText();
    String query = "DELETE FROM NewBuyer where newBuyerId="+value;
    PreparedStatement pst = con.prepareStatement(query);
```

```
Connection con = DriverManager.getConnection(url);
String query1="SELECT n.name,n.number,b.pname,b.pdescription,b.price,b.quantity,b.total FROM Billing b JOIN NewBuyer n on b.bname = n.name";
Statement st=con.createStatement();
ResultSet rs=st.executeQuery(query1);
```

## 6. Conclusion:

It was a great experience handling sql queries and database .We tried our best to make the project user friendly and hopefully we will work on it in the future also. Tnx to Our teachers who guided us quite well and also supported us to complete the project. Overall it was a great experience.