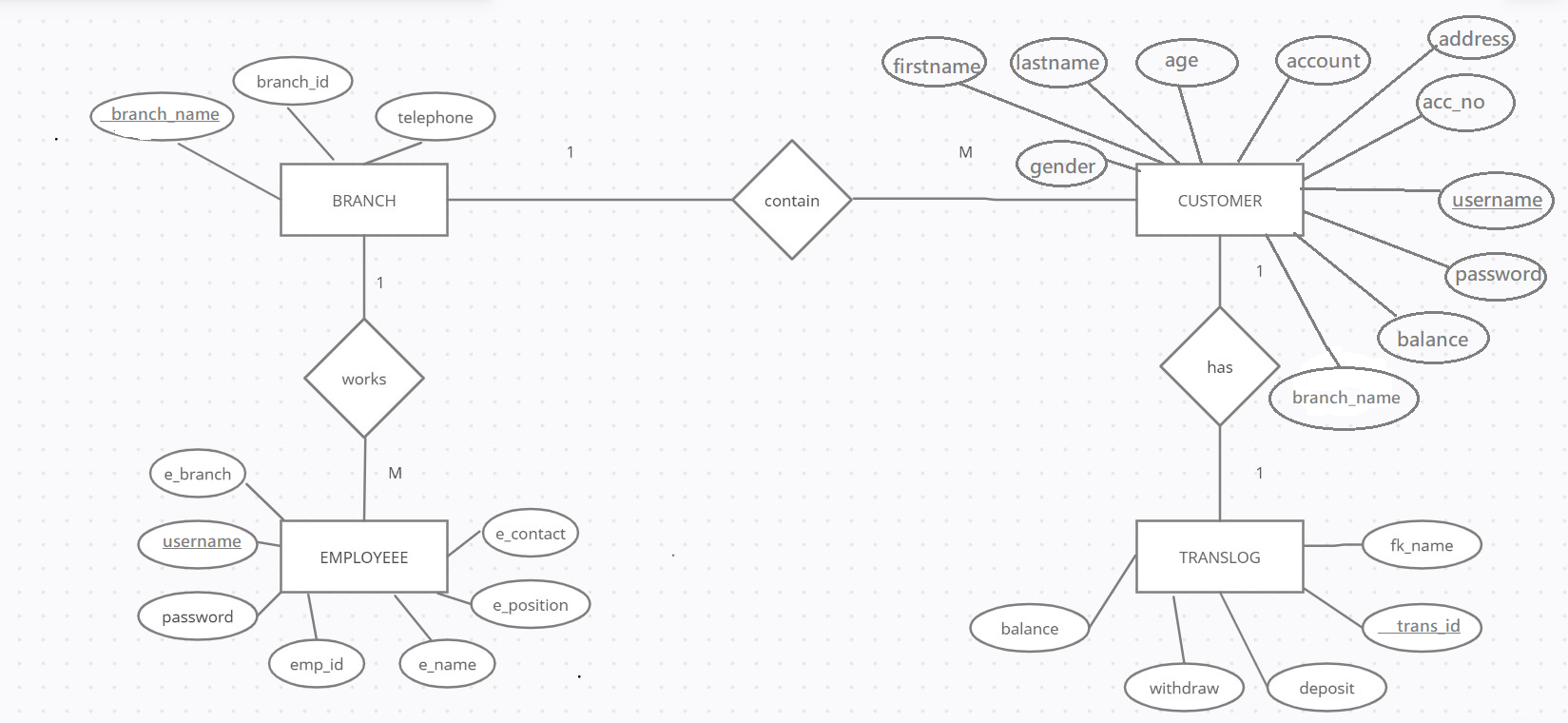
**DBMQP MINI PROJECT**

* **PROJECT TITLE: *Banking System***
* **ER DIAGRAM:**

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* **CONVERT ENTITY RELATIONSHIP DIAGRAM TO RELATIONS**

**RELATIONS WITH DATA:**

CustomerContains(Username,password,firstname,lastname,age,gender,account,address,accountnumber,balance,branch\_name)

Branch(branch\_name,branch\_id,telephone)

EmployeeWorks(UserName,password,emp\_id,e\_name,e\_position,e\_branch)

Trans\_log(Trans\_ID,deposit,withdraw,Bal,FK\_uname)

Has(trans\_ID,Username)

* **CREATE TABLES**

CREATE TABLE branch (

branch\_id int(10) DEFAULT NULL,

branch\_name varchar(20) NOT NULL,

telephone int(7) NOT NULL

);

CREATE TABLE customer (

firstname varchar(30) DEFAULT NULL,

lastname varchar(30) DEFAULT NULL,

age int(3) DEFAULT NULL,

gender varchar(10) DEFAULT NULL,

account varchar(30) DEFAULT NULL,

address varchar(30) DEFAULT NULL,

accountnumber int(10) DEFAULT NULL,

username varchar(30) NOT NULL,

password varchar(30) DEFAULT NULL,

balance int(30) DEFAULT NULL,

branch\_name varchar(20) DEFAULT NULL

);

CREATE TABLE employee (

UserName varchar(30) NOT NULL,

Password varchar(10) NOT NULL,

emp\_id int(5) NOT NULL,

e\_name varchar(20) NOT NULL,

e\_position varchar(15) NOT NULL,

e\_contact int(10) NOT NULL,

e\_branch varchar(10) NOT NULL);

CREATE TABLE trans\_log (

Trans\_ID int(5) NOT NULL,

Deposit int(6) DEFAULT NULL,

Withdraw int(6) DEFAULT NULL,

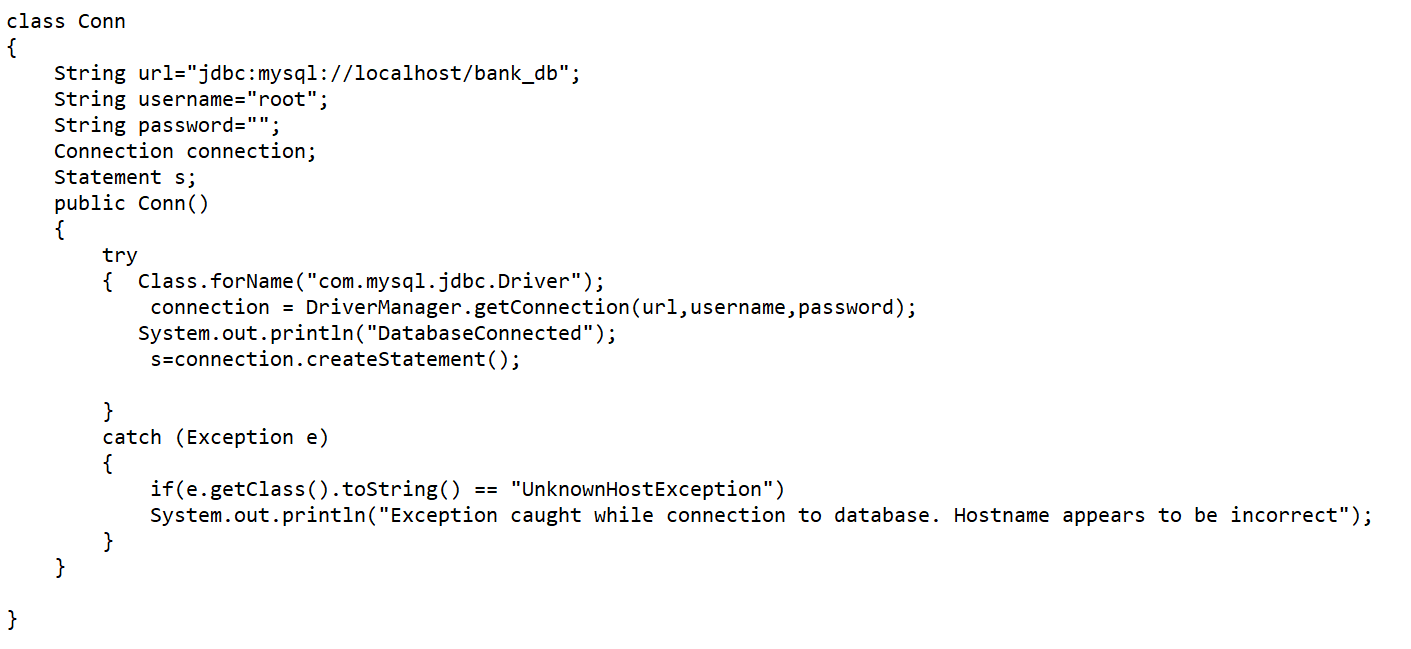
Bal int(6) NOT NULL,

FK\_uname varchar(10) NOT NULL

);

* **INSERT DATA IN THE TABLE**

**CONNECTION:**



**QUERIES:**













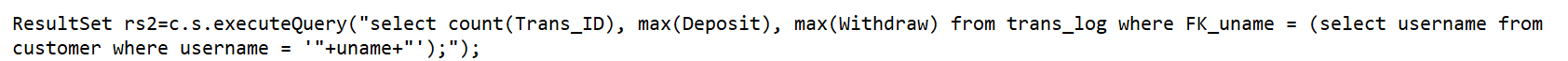










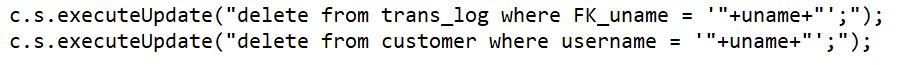


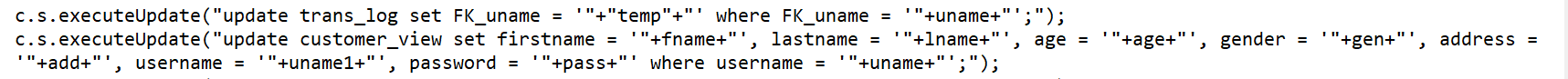










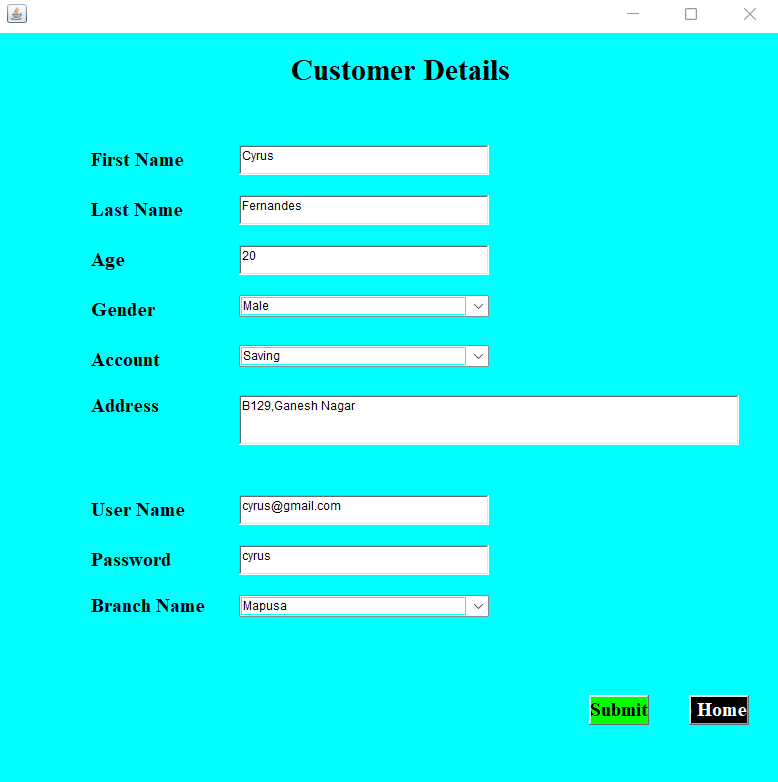




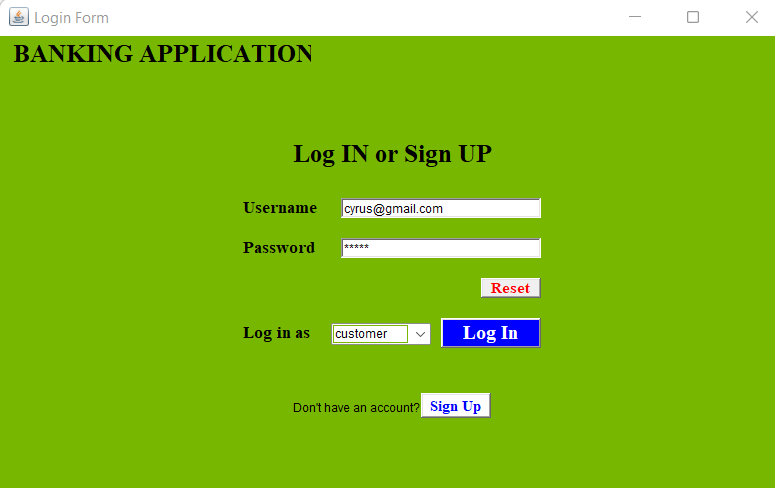
* **OUTPUT:**
* **Initially**



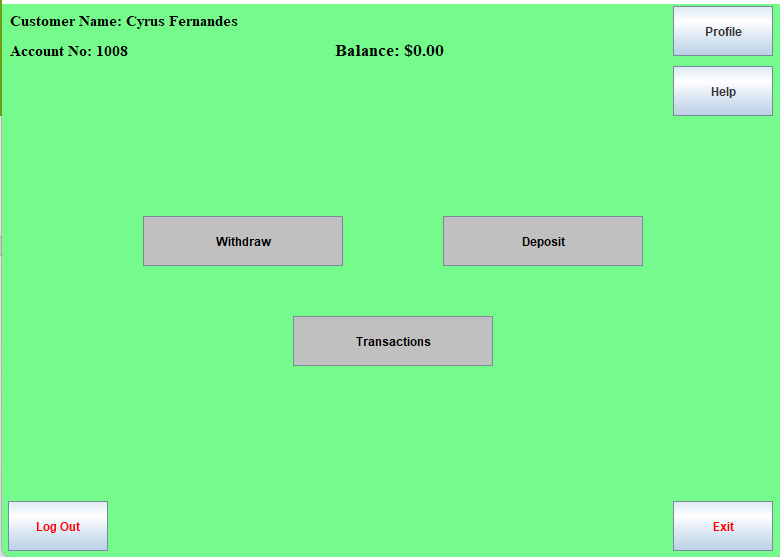
* **Signing Up**



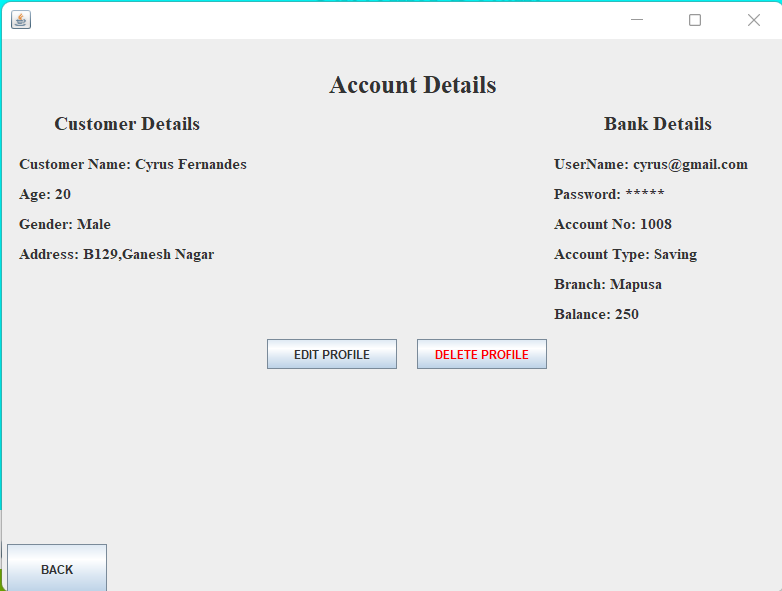
* **Logging In**



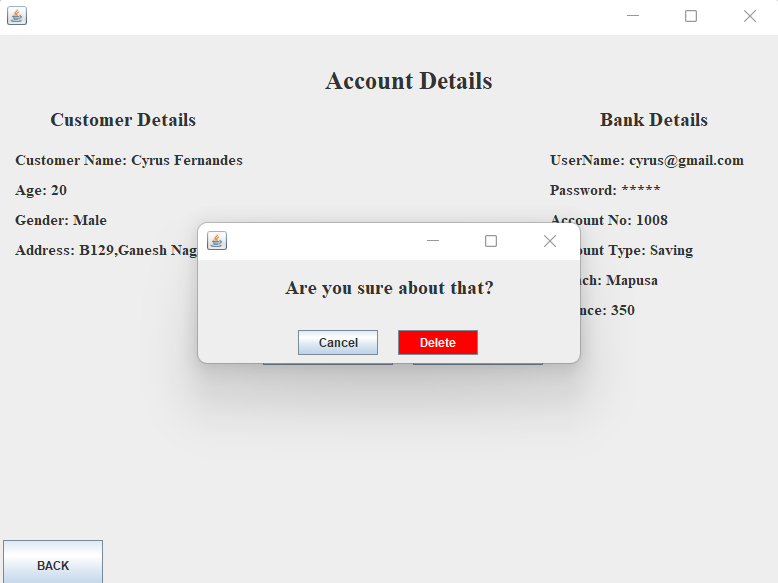
* **Customer Page**



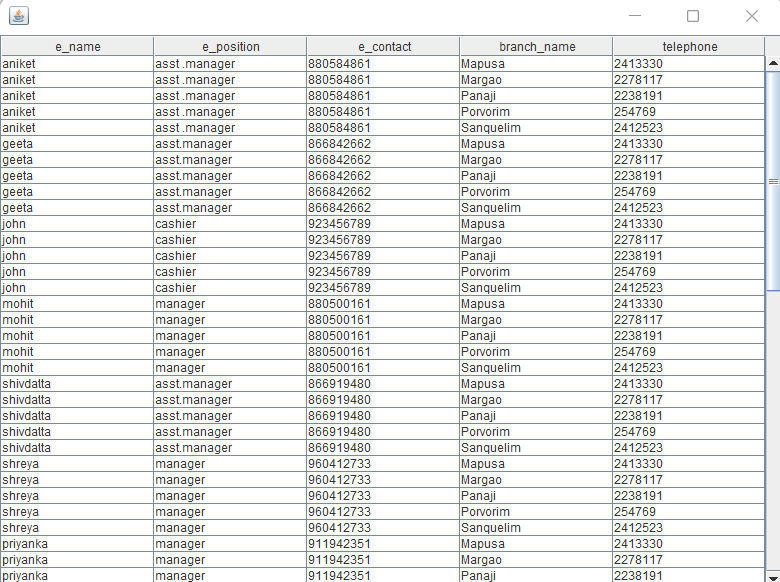
* **Account Details**

****

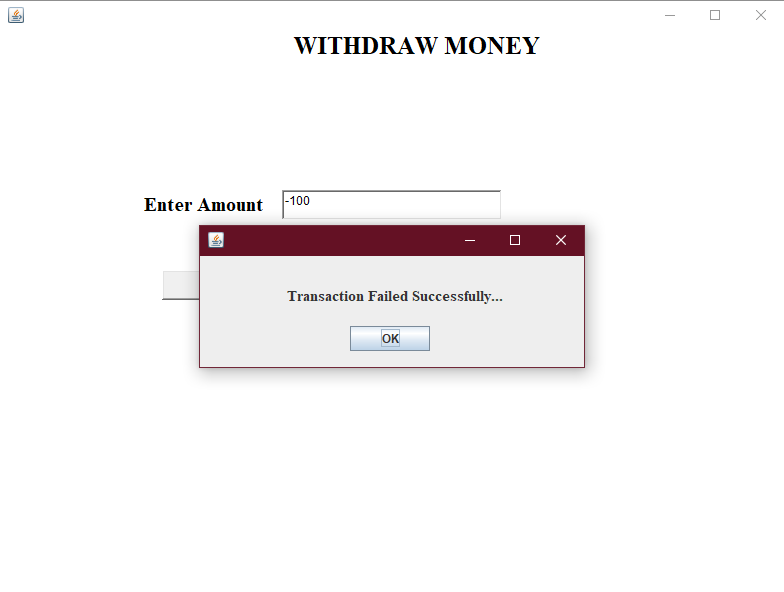
* **Delete Account:**

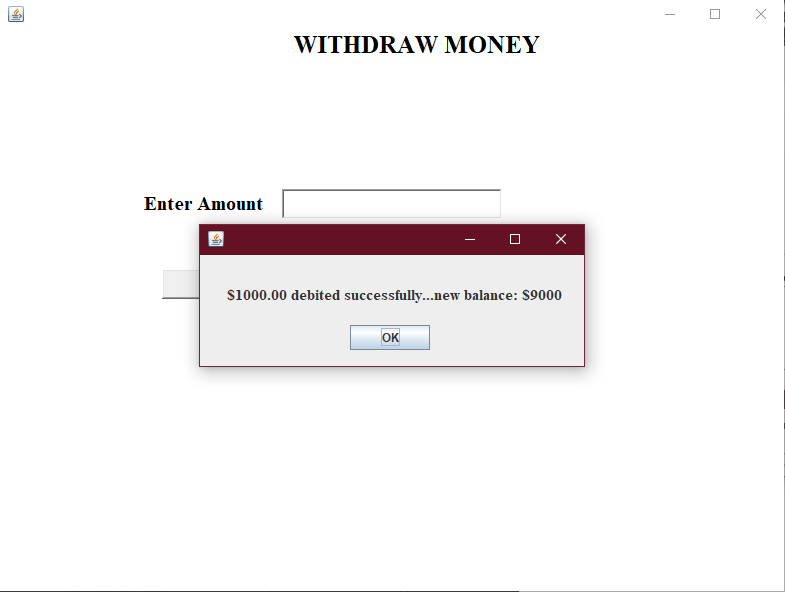
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* **Help**

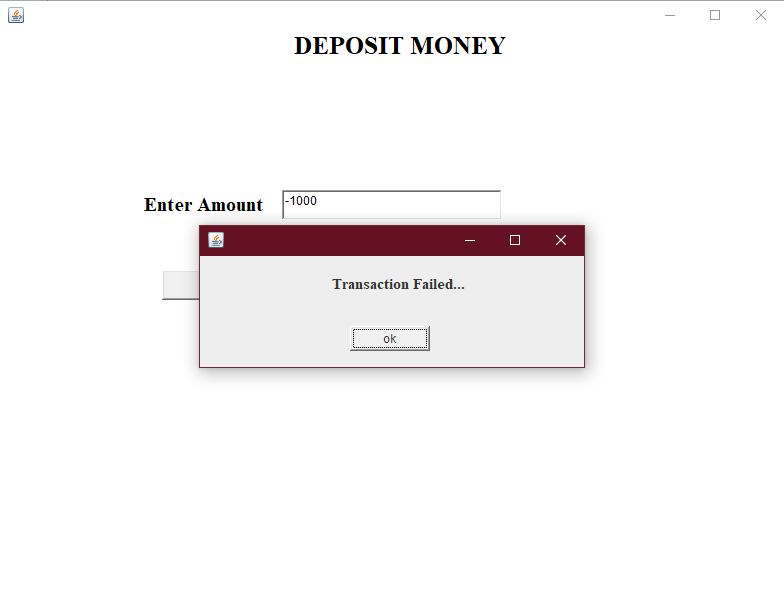
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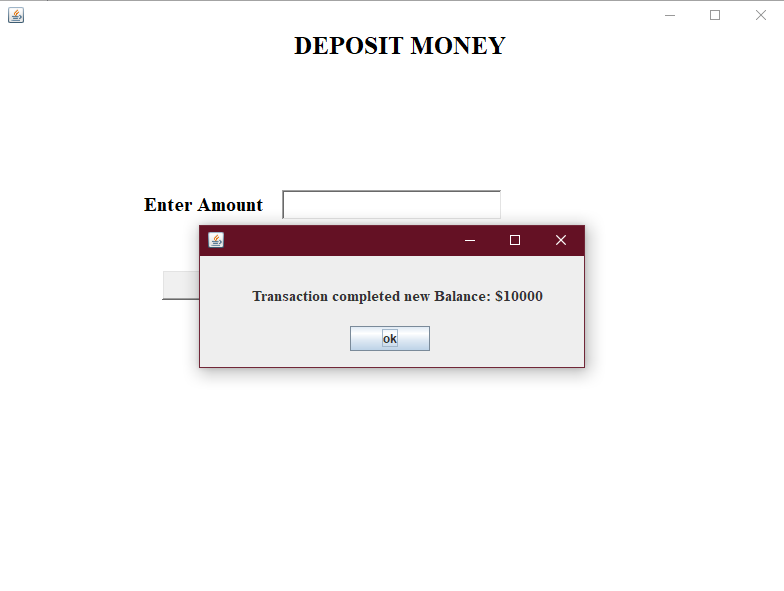
* **Withdraw**

****

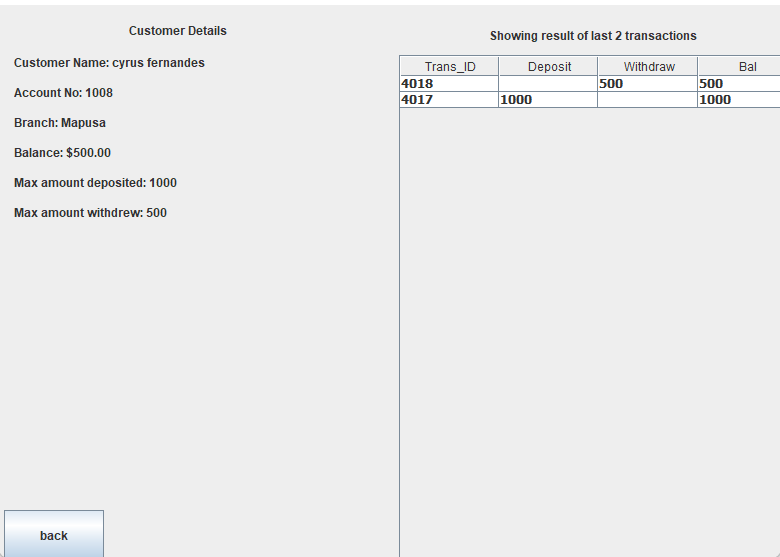
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* **Deposit**

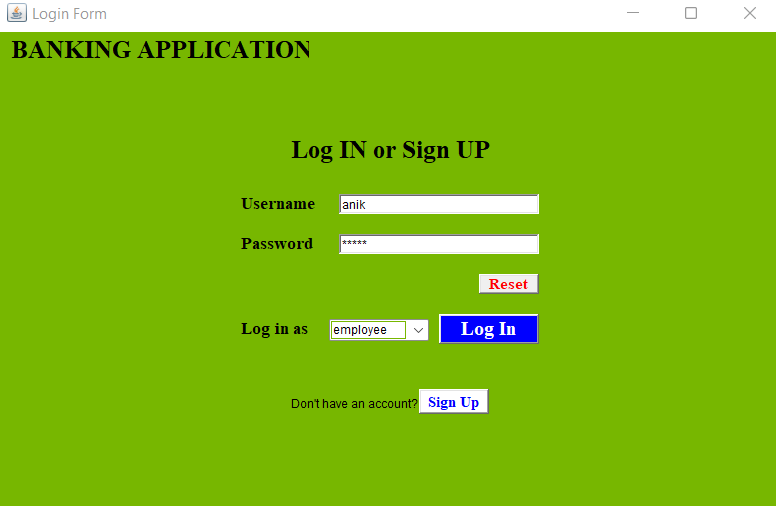
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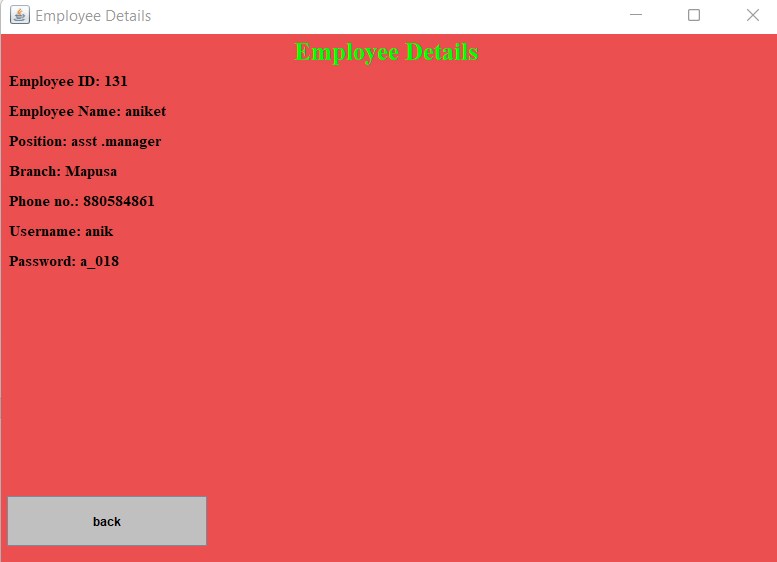
* **Transation Details:**

****

* **Logging in(As Employee)**

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* **Employee Details :**

****

* **Exit Page**

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**CONCLUSION:**

In the mini project, we learnt to represent the given problem statement into an entity relationship diagram along with cardinality and participation constraints. Then, conversion of the ER diagram to Relation which were further implemented in the database. The graphical user interface and database connection was implemented using which the data from the database could be accessed n modified. The data manipulation in the database was successfully implemented using SQL queries.