

ATM Database Schema

A. Customers Table (Stores user details)

```
CREATE TABLE customers (  
  customer_id INT PRIMARY KEY AUTO_INCREMENT,  
  name VARCHAR(100),  
  email VARCHAR(100) UNIQUE,  
  phone VARCHAR(20) UNIQUE  
);
```

B. Accounts Table (Each customer has a bank account)

```
CREATE TABLE accounts (  
  account_id INT PRIMARY KEY AUTO_INCREMENT,  
  customer_id INT,  
  balance DECIMAL(10,2) NOT NULL DEFAULT 0.00,  
  account_type ENUM('savings', 'checking'),  
  FOREIGN KEY (customer_id) REFERENCES customers(customer_id)  
);
```

C. Transactions Table (Records all deposits, withdrawals, and transfers)

```
CREATE TABLE transactions (  
  transaction_id INT PRIMARY KEY AUTO_INCREMENT,  
  account_id INT,  
  transaction_type ENUM('deposit', 'withdrawal', 'transfer'),  
  amount DECIMAL(10,2) NOT NULL,  
  transaction_date TIMESTAMP DEFAULT CURRENT_TIMESTAMP,  
  FOREIGN KEY (account_id) REFERENCES accounts(account_id)  
);
```