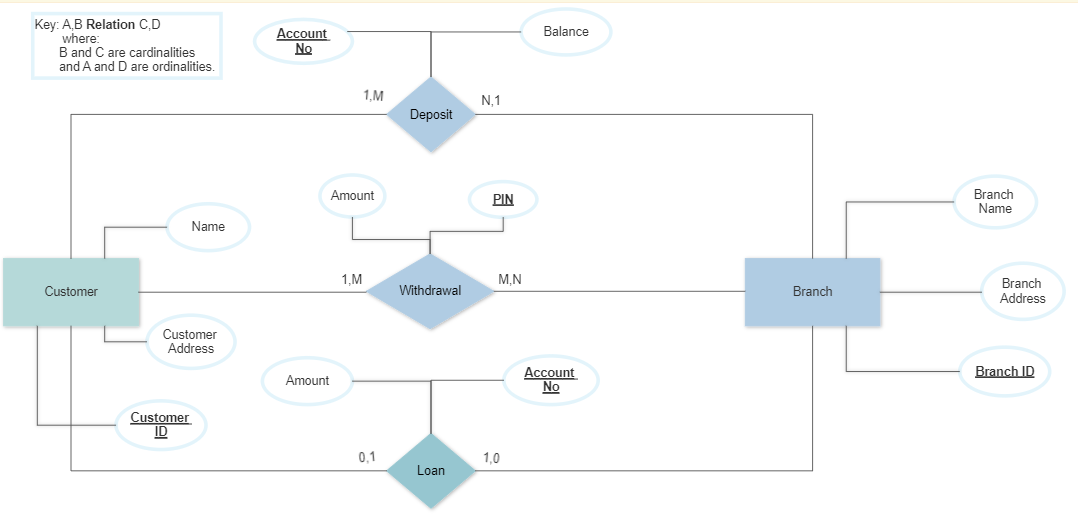
# Automated Teller Machine System (ATM)

## Abstract

This project aims to create an ATM system which will store data of the customer including his/her credentials and allow him to make transactions according to his/her account balance.

## Entity Relationship Diagram

Normalization

### 0NF

Customer[Customer\_ID,Name,Address]

Branch[**Branch\_ID**,Branch\_Address,Branch\_Name]

Deposit[**Account\_no**,Amount]

Loan[**Account\_no**,Amount]

Withdrawal[**Account\_no,**Amount]

### 3NF

Customer[**Customer\_ID**, fname, lname, house\_no, street\_no, area, city, country]

Branch[**Branch\_ID**,Branch\_Name,plot\_no, street\_no, area, city, country]

Bank\_Accounts[**Account\_no,**PINCustomer\_ID(FK),Branch\_ID(FK),Account\_Balance]

Deposit[**Account\_no(FK)**,Amount,Branch\_ID(FK)]

Loan[**Account\_no(FK)**,Amount, Branch\_ID(FK)]

Withdrawal[**Account\_no(FK)**,Amount, Branch\_ID(FK)]