# ATM Database

The data base is designed to store the details of a bank account holder and the cards that go with it. Also stores information of ATM machines.

**CardDetails**

This table is used to store the card details of card information. It links to userAccount via HolderID which is a foreign key userAccount.

**UserAccount**

This table is used to store the details of the card holders, ranging from personal information to the accounts balance. This table is used to connect the user to the card with the HolderID.

**ATM\_Details**

This table is used to store the details of the ATM’s. This table is not yet complete due to changing requirements regarding the ATM information.

**Index’s**

The fields HolderID and PAN are used a lot in the finding data in the database. Indexing these will make them faster and is essential in making the data base quick and efficient.

**Stored Procedures**

This data base will be used only a couple of ways to get data, so stored procedures are needed. There are 3 stored procedures; get\_Balance, PAN\_fnd\_PIN and update\_Balance. The balance functions are fairly self-explanatory. The PAN\_find\_PIN is used in the validation of a user entering their card and pin, it finds the PIN for the card to see if the user has entered the correct PIN

**ER-Diagram**

A screenshot of a computer

Description automatically generated

**Entity relationship diagram**

