

Basics of database systems

Bank account manager – Database design

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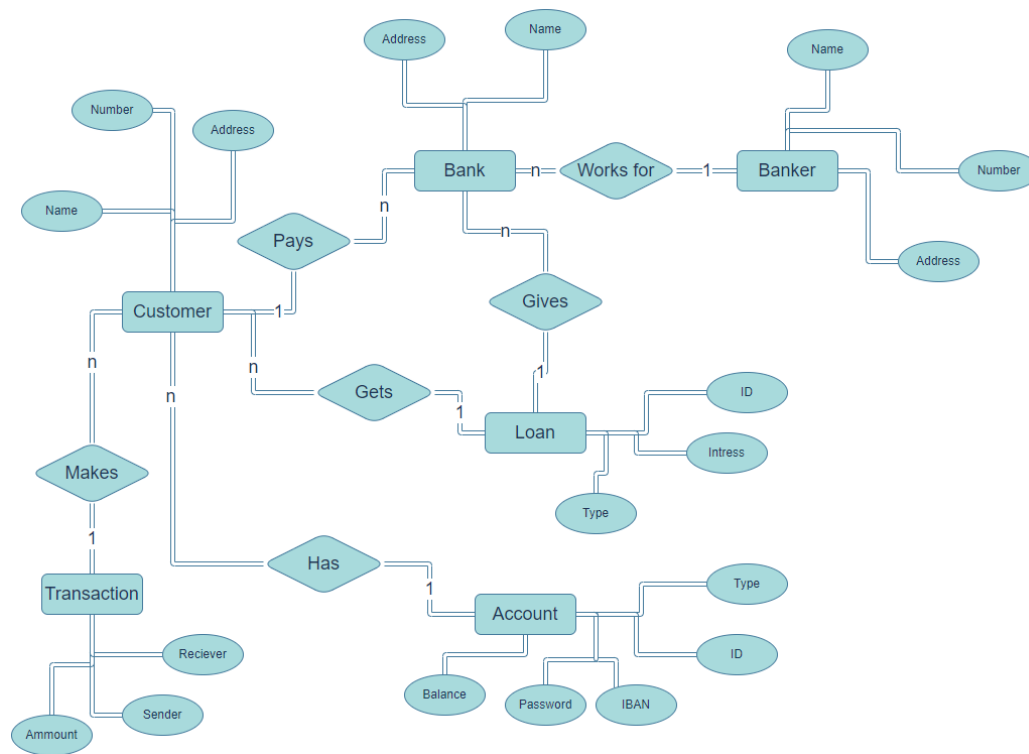
1 DEFINITION

BankProject is a software to find a bank in the city of your choosing and create a bank account. You can either print all available banks, search a bank from the city of your choosing, create a bank account, delete an account or modify account information. This could be used to keep record of banks accounts for banks in the same system. The software also can be used to record transactions and loans between accounts and banks.

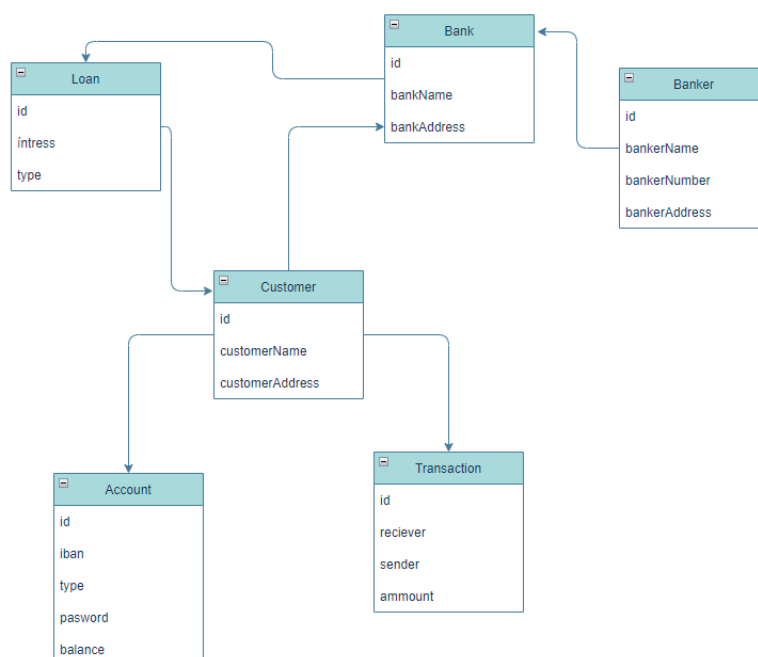
This would be used by the banks officials and administrators. Mostly to create new accounts for the customers and keep track of loans and transactions

2 MODELING

2.1 Concept model



2.2 Relational model



3 DATABASE IMPLEMENTATION

I did the database on SQLite and exported it as an .db file for the python program to handle. The python program I made to execute the 5 queries as was required in the task. I chose the queries based on their possible usability in an actual project and so that they were all different from one each other. There is a print, search, delete, add and a modify options.