Project 0 Revature

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1. **Bank Account Project**

Application Bank Account created in Scala programming language connected to Postgres database with the help of Slick library.

The Database bankaccount is an internal database with no external links created in Postgresql and contains 9 columns

CREATE TABLE bankacount(

acc\_num SERIAL PRIMARY KEY UNIQUE NOT NULL,

cli\_name VARCHAR(20) NOT NULL,

cli\_lastname VARCHAR(20) NOT NULL,

acc\_type VARCHAR(20) NOT NULL,

acc\_montfee INT,

acc\_pass VARCHAR(30),

acc\_interest\_rate FLOAT

acc\_status VARCHAR(10)

acc\_balance NUMERIC(10,2);

)

Acc\_num is the primary key is unique and not null and represents the account number.

Cli\_name and last\_name are used to save the name and last-named of the client that owns the bank account.

Acc\_type is the type of the account, Savings or Checking account

Acc\_montfee is the monthly fee charge depending on the type of the account, saving or checking account.

Acc\_pass save the password to access the account by the client.

Acc\_interest\_rate specifies the interest paid depending on the type of the account.

Acc\_status specifies if the account is active or has been closed

Acc\_balance specifies the amount of money in the account.

1. **Basic functionality**

The project Read from the data base to search an account, list all the accounts, open and add a new client to the account, close an account and erase an account. To do that the program uses the library slick in Scala with the options SELECT, UPDATE, DELETE and INSERT, with the option COUNT to count the number of the accounts.

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The project searches the account for the client to make a transaction and ask for the password before. The options for the client are “Make a deposit”, “Make a withdrawal” “View Balance” For all that the application uses SELECT and UPDATE, to make modifications to the table.

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