

## Relational schema

System user (username , password)

Customer (national id, name , username ,age , address)

Banker (banker id , name ,age , position ,salary, username ,age, address)

Admin (admin id, name , username, age, address)

Bank account(account no , currency ,status, amount , type ,national id)

National id references national id in customer

Bank req ( national id , account no , state )

National id references national id in customer

Account no references account no in bank

Bank transfer ( transfer id , amount , sender id , receiver id )

Sender id references national id in customer

Receiver id references national id in customer

Own account ( transfer id )

Domestic ( transfer id , BAN)

Bill payment ( transfer id , type of bill, method )

International ( transfer id , IBAN)

Donations ( transfer id , method , Organization name )

Credit card ( card no , amount , type , points, account no )

Account no references account no in bank account

Cheques ( cheques id , start date , end date , account no )

Account no references account no in bank account

Loan ( loan id , total amount , remainder amount , due date , loan type , due loan amount , national id )

National references national id in customer

certificate ( national id , certificate id , amount, percentage, paid interest duration, period )

National references national id in customer

requests ( req id , date , type, status , national id , banker id )

banker id references banker id in banker

national id references national id in customer

