## LegalAccount

| company_id | int |
|------------|-----|
| user_id | int |

## Activation_req

| user_id | int |
|---------|-----|
| req_date | timestamp |
| is_accepted | REQ_STATUS |
| Employee_num | int |

## bank_account_req

| user_id | int |
|---------|-----|
| req_date | timestamp |
| is_accepted | REQ_STATUS |
| balance | int |
| is_saving | boolean |
| profit_percentage | int |
| type | saving_type |
| Employee_num | int |

## Emploee

| Employee_num | int |
|--------------|-----|
| full_name | varchar |
| type | EMPLOYEE_TYPE |

## PhysicalAccount

| national_id | int |
|-------------|-----|
| user_id | int |
| signature | varbinary |
| finger_print | varbinary |
| family_name | varcahr |

## Installment

| number | int |
|--------|-----|
| loan_number | int |
| data | timestamp |
| amount | int |
| status | installment_status |
| transaction_number | int |

## Transaction

| transaction_number | int |
|--------------------|-----|
| amount | int |
| type | transaction_type |
| date | timestamp |
| description | varchar |
| origin | int |
| destination | int |

## UserAccount

| user_id | int |
|---------|-----|
| name | varchar |

## loan_req

| user_id | int |
|---------|-----|
| req_date | timestamp |
| is_accepted | REQ_STATUS |
| amount | int |
| start_date | timestamp |
| end_date | timestamp |
| installment_number | int |
| profit_percentage | int |
| Manager_num | int |

## SavingData

| account_number | int |
|----------------|-----|
| profit_percentage | int |
| type | saving_type |

## BankAccount

| account_number | int |
|----------------|-----|
| user_id | int |
| balance | int |
| activation_date | timestamp |
| is_active | boolean |

## Loan

| loan_number | int |
|-------------|-----|
| user_id | int |
| amount | int |
| status | loan_status |
| start_date | timestamp |
| end_date | timestamp |
| remaining_number | int |
| profit_percentage | int |
| supervisor_id | int |

## Manager

| Employee_num | int |
|--------------|-----|

**Activation_req**

| | |
|---|---|
| user_id | int |
| req_date | timestamp |
| is_accepted | REQ_STATUS |
| Employee_num | int |

**LegalAccount**

| | |
|---|---|
| company_id | int |
| user_id | int |

**PhysicalAccount**

| | |
|---|---|
| national_id | int |
| user_id | int |
| signature | varbinary |
| finger_print | varbinary |
| family_name | varcahr |

**bank_account_req**

| | |
|---|---|
| user_id | int |
| req_date | timestamp |
| is_accepted | REQ_STATUS |
| balance | int |
| is_saving | boolean |
| profit_percentage | int |
| type | saving_type |
| Employee_num | int |

**Emploee**

| | |
|---|---|
| Employee_num | int |
| full_name | varchar |
| type | EMPLOYEE_TYPE |

**Installment**

| | |
|---|---|
| number | int |
| loan_number | int |
| data | timestamp |
| amount | int |
| status | installment_status |
| transaction_number | int |

**Transaction**

| | |
|---|---|
| transaction_number | int |
| amount | int |
| type | transaction_type |
| date | timestamp |
| description | varchar |
| origin | int |
| destination | int |

**UserAccount**

| | |
|---|---|
| user_id | int |
| name | varchar |

**loan_req**

| | |
|---|---|
| user_id | int |
| req_date | timestamp |
| is_accepted | REQ_STATUS |
| amount | int |
| start_date | timestamp |
| end_date | timestamp |
| installment_number | int |
| profit_percentage | int |
| Manager_num | int |

**SavingData**

| | |
|---|---|
| account_number | int |
| profit_percentage | int |
| type | saving_type |

**BankAccount**

| | |
|---|---|
| account_number | int |
| user_id | int |
| balance | int |
| activation_date | timestamp |
| is_active | boolean |

**Loan**

| | |
|---|---|
| loan_number | int |
| user_id | int |
| amount | int |
| status | loan_status |
| start_date | timestamp |
| end_date | timestamp |
| remaining_number | int |
| profit_percentage | int |
| supervisor_id | int |

**Manager**

| | |
|---|---|
| Employee_num | int |

```
Enum saving_type{
  deposit_account
  money_market_account
  certificate
}


Enum transaction_type{
  Deposit
  Transfer
  Profit
}


Enum installment_status{
  paid
  unpaid
}
```

```
Enum loan_status{
  requested
  accepted
  paid
}


Enum EMPLOYEE_TYPE{
  manager
  normal_emploee
}


Enum REQ_STATUS{
  pending
  accepted
  declined
}
```