

DESIGN OF DATABASE FINAL PROJECT

STEP – 2

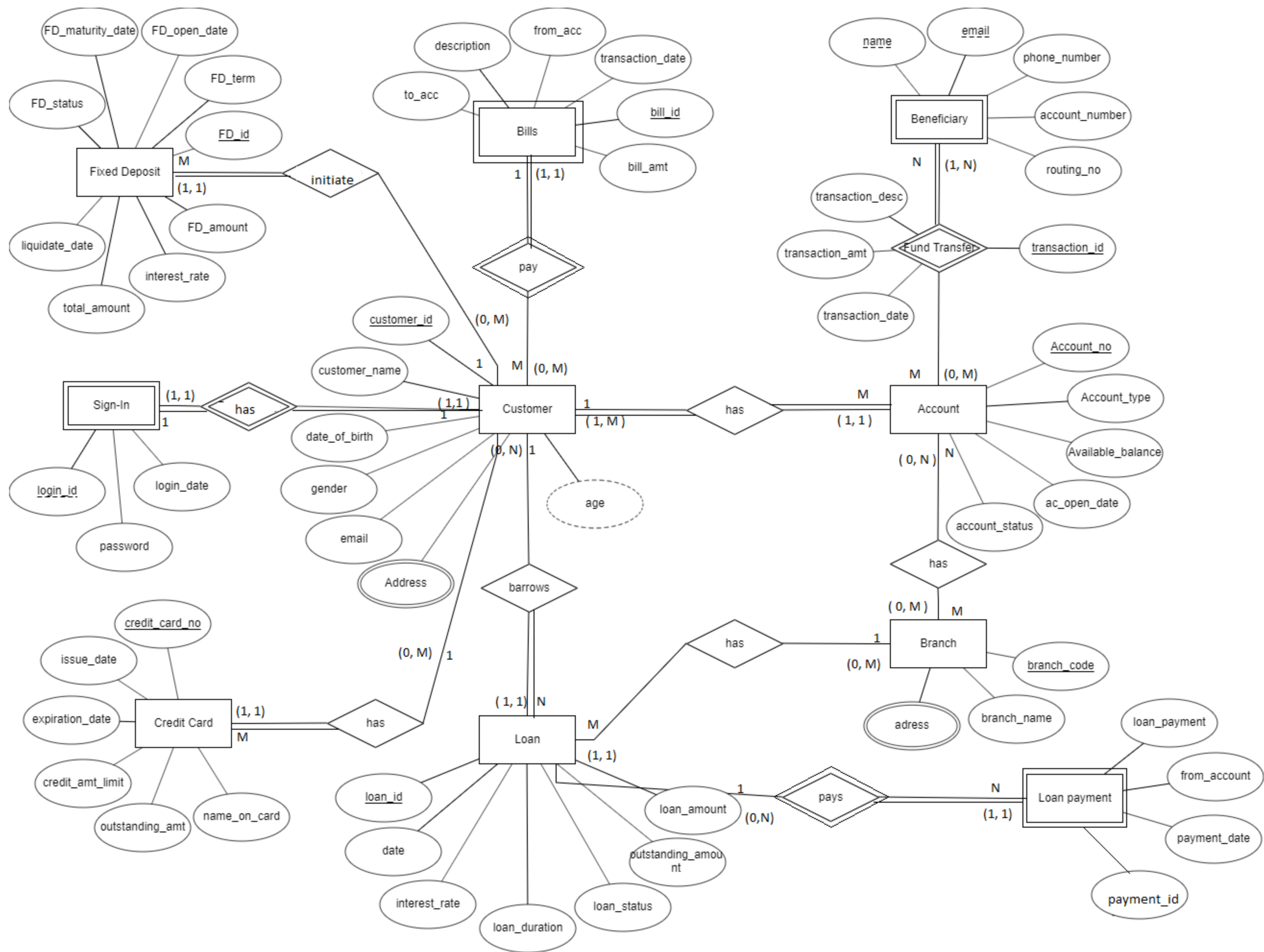
GROUP 4

SRI DEVI RELLA

NABEELAH KHAN

INTERNET BANKING SYSTEM

Internet banking allows customers the facility to use banking services from any location. At any time, a client can review account balances and transactions for online fund transfer, associated credit/debit card details, loan details and payments, fixed deposits, and bill payments. A database will store all the relevant user data and allow for fast retrieval of information, this back-end component will interact with the front-end through which the user will enter login details and perform any necessary transactions.



RELATIONAL SCHEMAS

- Customer (customer_id, customer_name, date_of_birth, gender, email, address)
- Customer_address(street,city,zipcode, customer_id)
- Bills(bill_id, bill_amt, transaction_date, from_acc, description,to_acc, customer_id)
- Sign_in(login_id, password, login_date, customer_id)
- Beneficiary (name, email, phone_number, ben_account_no, routing_no, account_no)
- Fund_transfer(transaction_id, trans_description, trans_amt, trans_date, name, email, account_no)
- Account(account_no, account_type, available_balance, acc_open_date, acc_status, branch_code)
- Branch(branch_code, branch_name)
- Branch_address(street,city,zipcode,branch_code)
- Loan(loan_id, customer_id, loan_open_date, loan_duration, interest_rate, loan_status, outstanding_amt, loan_amount, customer_id)
- Loan_payment(loan_id, loan_payment_id, from_account, loan_payment_amt, payment_date)
- Credit_card(credit_card_no, customer_id, issue_date, expiration_date, credit_limit, outstanding_amt, name_on_card,)
- Fixed_deposit(fd_id, customer_id fd_term, fd_open_date, fd_maturity_date, fd_status, fd_amt, interest_rate, total_amt, liquidate_date)

QUERIES

1. Display all customer details who has liquidated fixed deposits more than 3 times between 2000 and 2019.
2. Display all customers who has only loan accounts with the loan amount greater than 1500.
3. Find an average number of customers in each branch who has used net banking in a day.
4. Display customers who has used only credit cards to pay bills online.
5. Find an average transaction amount in each branch per day.
6. Display the total number of customers who used only credit cards to pay loan amount.
7. The total amount and number of bill transactions which are paid through savings or check-in accounts.
8. Display customer details who has loan account, fixed deposit, savings, check-in account, associated credit cards.
9. Find the number of closed accounts in each branch.
10. Display distinct customer account branches where the fund transfer transaction amount is more than 1000\$ per day.