



ICIC Bank Management System

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Problem Statement

- The main objective of the Bank Management System is to create a robust database system that automates key banking processes hence improving the overall efficiency of the bank by providing a platform for managing Customers and Employees Information.
- Still in this era some Traditional banking operations such as Loan processing, keeping records which involve manual , complex and time-consuming processes which leads to Inefficiencies ,Errors and delays in customer service.

- Hence some current systems somewhat lacks the ability to adapt to dynamic nature of industries in the fast pace era of information gathering and data retrieval.
- In this project we will try to solve such issues by using SQL to create a new Bank management system.

About the Data

Employees Data : Employee Id , Firstname , Department id, Manager id ,Job id, Email, HireDate , Phoneno. , Salary

Customers Data: AccountNo , FirstName, City , Branchcode , Employee id , Phoneno , ATM NO , Expdate ,Pin No

Departments: Department Id, Department name, Manager ID, Employee ID

Job Details: Job id, Department ID, Branch Code

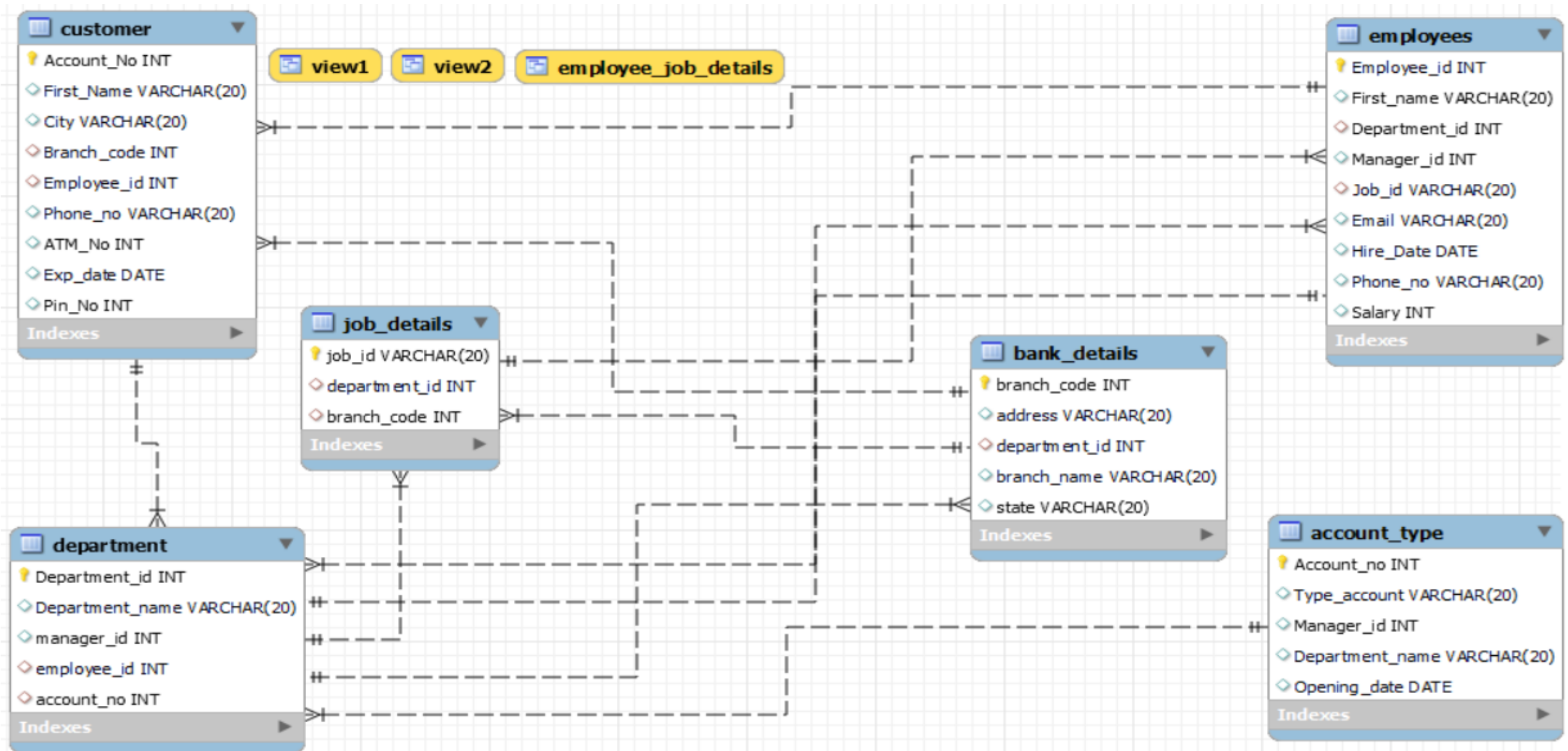
Bank Details: Branch code, Address, Department ID, Branch name, State

Account type: Account no, Type account , manager id, department name

Proposed Solution

- In order to help customers and Employees to create account, retrieve their information such as Account no, etc., we created New tables in a new database such as Customer, Employees , Department, Job Details, Bank Details, Account type and since each table have relation with other with the help of Primary key and Foreign keys as well as Join Statement, we created Views Tables for both Customers and Employees to get access to information quickly and efficiently.

- ER Diagram:



Conclusion

- Through the help of ER diagram we can Improve the efficiency of Customers and Employees with regards to onboarding and account management alongside Enhanced customer service through faster response times hence helping both the Customers and Employees to make Better decisions with real-time data access and we can add new information and perform changes by making it adaptable for future changes.

Future Scope

- We can further automate various processes in the future if needed .
- In the future we would be able to Integrate with new Emerging technologies.
- Also as new data is added almost daily or among a certain period of time, we can Continuously improve processes based on user feedback and thereby adding new changes as per users requirement.