



ICIC Bank Management System



Sandhya Sewatkar

Introduction

- The bank management system is an application for maintaining a persons account in a bank. It is used to Keep the records of customers, employee etc. in Bank.
- The system provides the access to the customer to create an account, deposit/withdraw the cash from his account, also to view reports of all accounts present.
- ICICI Bank (Industrial Credit and Investment Corporation of India) is India's third largest private sector bank by market capitalization and second largest overall in terms of assets.
- ICICI Bank is the most valuable bank in India in terms of market capitalization.
- ICICI Bank Limited is an Indian diversified financial services company headquartered in Mumbai, Maharashtra.
- It offers a wide range of banking products and financial services to corporate and retail customers through a variety of delivery channels and through its specialized subsidiaries in the areas of investment banking, life and non-life insurance, venture capital and asset management.

Introduction

Product & Services

Personal Banking

Deposits

Loans

Cards

Investment

Insurance

Wealth Management

NRI BANKING

Money transfer

Bank Account Investment

Property Solutions

Insurance

Loans

Business Banking

Corporate Net Banking

cash Management

Trade Service

FXOnline

Custodial Service

Problem Statement

- The Bank wants to build the database for their customer and employees with all the details like creating an account in a bank type of account which helps the bank to retrieve the data on one click so they can find out the day to day update easily on their database.
- Separate database is maintained to handle all the details required for the correct statement calculation and generation.
- This project intends to introduce more user friendliness in the various activities such as record updating, maintenance, and searching, account creation, transaction and display account statement.
- These details are also being promptly automatically updated in the master file thus keeping the record absolutely up-to-date.
- The searching of record has been made quite simple as all the details of the customer can be obtained by simply keying in the identification or account number of that customer.
- Similarly, record maintenance and updation can also be accomplished by using the account number with all the details being automatically generated

About the Data

In this project, There are six tables in the database 'Bank', A database most often contains one or more tables. Each table is identified by a names. Tables contain records (rows) with data.

Tables_in_bank

account_type
bankdetails
customer
departments
employee_job_details
employees
job_details
v1
v2

The table job_details contains 4 rows and 3 columns

Job_id	Department_id	Branch_code
FI_ACCOUNT	11	113
SA_REP	19	118
ST_CLERK	1	101
ST_MAN	8	108

These are the constraints and data types which I have used while creating a Data

desc bankdetails						desc departments					
Field	Type	Null	Key	Default	Extra	Field	Type	Null	Key	Default	Extra
Branch_code	int	NO	PRI	NULL		Department_id	int	NO	PRI	NULL	
Address	varchar(500)	YES		NULL		Department_name	varchar(500)	YES		NULL	
Department_id	int	YES	MUL	NULL		Manager_id	int	YES		NULL	
Branch_name	varchar(500)	YES		NULL		Employee_id	int	YES		NULL	
State	varchar(500)	YES		NULL		Account_no	int	YES	MUL	NULL	

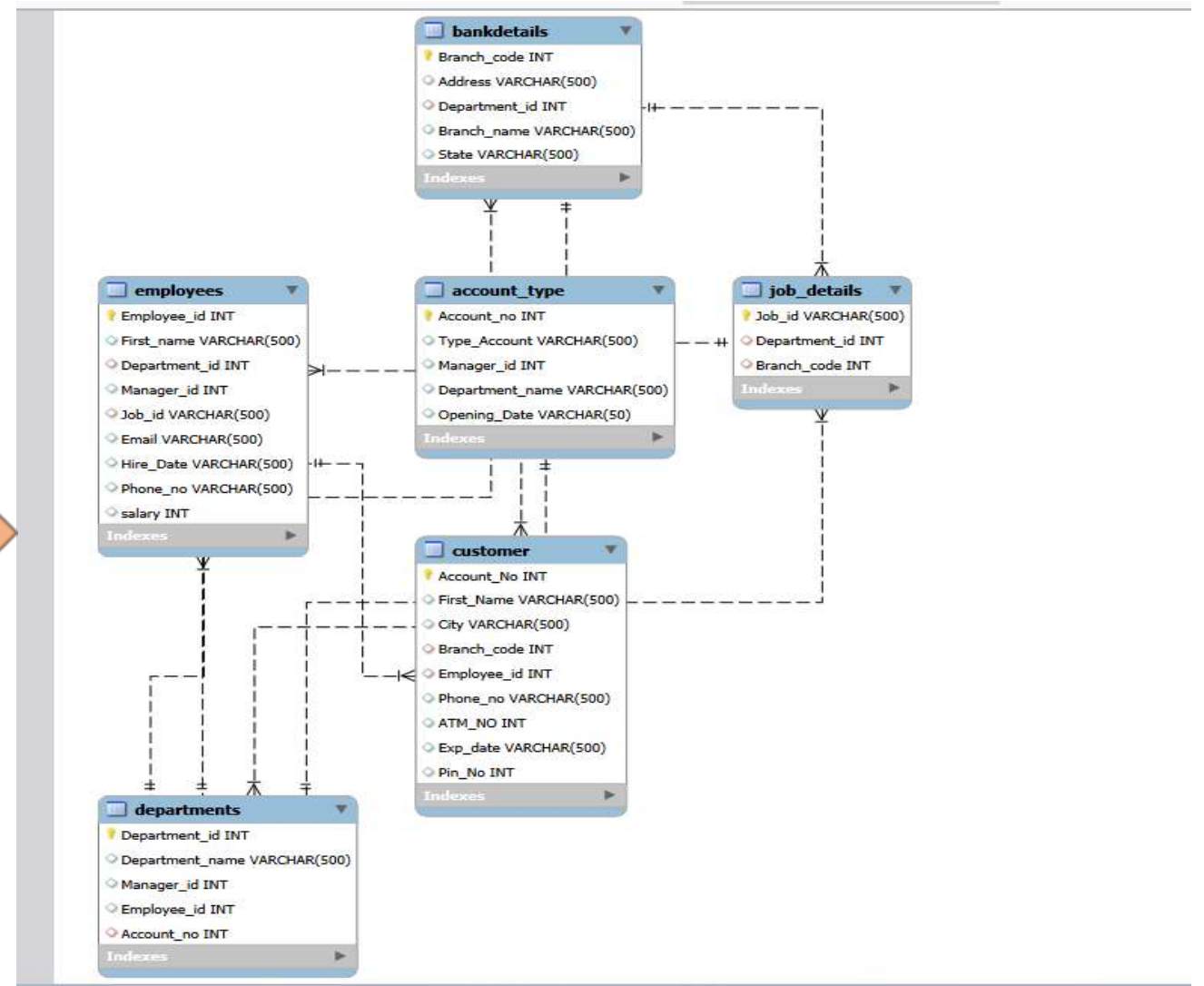
desc employees						decs Customer						desc Account_Type					
Field	Type	Null	Key	Default	Extra	Field	Type	Null	Key	Default	Extra	Field	Type	Null	Key	Default	Extra
Employee_id	int	NO	PRI	NULL		Account_No	int	NO	PRI	NULL		Account_no	int	NO	PRI	NULL	
First_name	varchar(500)	YES		NULL		First_Name	varchar(500)	YES		NULL		Type_Account	varchar(500)	YES		NULL	
Department_id	int	YES	MUL	NULL		City	varchar(500)	YES		NULL		Manager_id	int	YES		NULL	
Manager_id	int	YES		NULL		Branch_code	int	YES	MUL	NULL		Department_name	varchar(500)	YES		NULL	
Job_id	varchar(500)	YES	MUL	NULL		Employee_id	int	YES	MUL	NULL		Opening_Date	varchar(50)	YES		NULL	
Email	varchar(500)	YES		NULL		Phone_no	varchar(500)	YES		NULL		decs Job_Details					
Hire_Date	varchar(500)	YES		NULL		ATM_NO	int	YES	UNI	NULL		Field	Type	Null	Key	Default	Extra
Phone_no	varchar(500)	YES		NULL		Exp_date	varchar(500)	YES		NULL		Job_id	varchar(500)	NO	PRI	NULL	
salary	int	YES		NULL		Pin_No	int	YES	UNI	NULL		Department_id	int	YES	MUL	NULL	
												Branch_code	int	YES	MUL	NULL	

About the Data

ER Model of the Data

An entity-relationship diagram (ERD) represents the relationships among entity sets stored in a database. An entity in this context is a component of data. We can say that ER diagrams illustrate the logical structure of databases. It is the different symbols, and the meanings of those symbols, that make it unique.

It develops a conceptual design for the database. It also develops a very simple and easy to design view of data.



Proposed Solution

- **We have created a ICICI Bank Management System using SQL**, we designed a database with multiple tables to store information about customers and employees. The relationships between the tables will be established based on the constraints provided.
- To retrieve information of customers and employees, **we have created views** that provide a consolidated and easy-to-access snapshot of the data.
- With this database design and the proposed views, the bank can efficiently retrieve and manage customer and employee information. The table structures allows the bank to easily categorize and identify different types of accounts. Additionally, it is used to record and track customer transactions over time.
- **Some of the goals of the proposed systems are:** Manage large number of customer details with ease . Create customer account and maintain its data efficiently and effectively. View all the details of the customer. Create a statistical report to facilitate the finance department work .Activities like updating, modification, deletion of records should be easier.

Conclusion

- I have successfully implemented this ICICI Bank Management system which provides a more secured approach in managing bank customer's information and strengthens the relationships between banks and their customers by providing the right solutions that uses a multilevel security to improve customer satisfaction.
- Data is retrieved easily and quick using SQL commands.
- This project is developed to nurture the needs of a user in a banking sector by embedding all the task of transaction taking place in the bank.
- ICICI bank has successfully utilized its MS in providing banking products to its customers and also in improving its organizational efficiency. It is one of the few banks which adapts quickly to the changing environment and keeps up with the ever changing technology.

Future Scope

The future scope for the ICICI Bank Management System project is very promising. The banking industry is constantly evolving, and the ICICI Bank Management System will need to evolve with it in order to remain relevant.

By embracing new technologies and focusing on customer experience, the ICICI Bank Management System can become an even more powerful tool for banks to manage their finances.



The rise of digital banking: More and more customers are using digital channels to bank, so the ICICI Bank Management System will need to be able to support these channels.



The growth of open banking: Open banking is a new trend that allows banks to share data with third-party providers. This will create new opportunities for the ICICI Bank Management System to provide value-added services to customers.



The increasing importance of data analytics: Data analytics is becoming increasingly important for banks to make better decisions. The ICICI Bank Management System will need to be able to collect and analyze data in order to provide insights that can help the bank improve its operations.

Thank you

