Bank Management App

Project Name: Bank Management App

Contents

Bank Management System

Overview

Application is to manage Banking services. The Bank Management System Application basically deals with handling day to day transactions in the bank. The client details and their accounts are handled in the Salesforce org. It includes the basic functionalities, and the business use cases and all.

Functionalities

- When an account is opened, send account details to the customer.
- Accounts are categorized into two types.
- The clients are divided into different types based on their monthly transaction.
- Information stored for each banking transaction.
- All the information needed to store in the salesforce org include the client detail, their account detail, day to day transactions.
- A customer cannot open two accounts in the same bank.
- A customer cannot withdraw more than 20000 cash with a demand draft without manager approval.
- Minimum balance to be maintained in the account is 2000 Rupees.
- Implementing an experience cloud for customers to access the details.
- Reports and Dashboards to track the daily transfers, withdrawal and deposits.

Data Modeling

Bank Management System

Fields:

Bank

S No	Field Name	Field Types	Required
1	Bank ID	Auto Number	Auto generated
2	Bank Name	Text	Required
3	Bank Address	Text Area	Required

Branch

S No	Field Name	Field Types	Required
1	Bank Name	LookUp Relationship	Required
2	Branch ID	Auto Number	Auto generated
3	Branch Name	Text	Required
4	Branch Address	Text Area	Required

Client Manager

S No	Field Name	Field Types	Required
1	Branch Name	LookUp Relationship	Required
2	Manager ID	Auto Number	Auto Generated
3	Manager Name	Text	Required

Bank Management System

Client

S No	Field Name	Field Types	Required
1	Client Manager	LookUp Relationship	Required
2	Client ID	Auto Number	Auto generated
3	Client Name	Text	Required
4	Client Address	Text Area	Required
5	Client Phone number	Phone	Required

Accounts

S No	Field Name	Field Types	Required
1	Branch	LookUp Relationship	Required
2	Client	LookUp Relationship	Required
3	Account ID	Auto Number	Auto generated
4	Account Type	Picklist	Required
5	Account Date	Date	Required

Transfer

S No	Field Name	Field Types	Required
1	Benefactor Account	LookUp Relationship	Required
2	Beneficiary Account	LookUp Relationship	Required
3	Amount	Currency	Required
4	Transaction ID	Auto number	Auto generated
5	Transaction Date	Date	Required

Withdrawal

S No	Field Name	Field Types	Required
1	Account	LookUp Relationship	Required
2	Amount	Currency	Required
3	Transaction ID	Auto number	Auto generated
4	Transaction Date	Date	Required

Deposit

S No	Field Name	Field Types	Required
1	Account	LookUp Relationship	Required
2	Amount	Currency	Required
3	Transaction ID	Auto number	Auto generated
4	Transaction Date	Date	Required

ATM

S No	Field Name	Field Types	Required
1	Account	LookUp Relationship	Required
2	Amount	Currency	Required
3	Transaction ID	Auto number	Auto generated
4	Transaction Date	Date	Required

Objects and its Purpose

Object	**Purpose**
Bank	Store the details of the bank
Branch	Store the the details of the branch
Client manager	Store the details of the branch manager
Clients	Store the details of the customers
Account	Store the detail of the the customers account
Transfer	Store the details of the money transfer from one account to another
Withdrawal	Store the details of the money withdrawal from the account
Deposit	Store the details of the money deposit to the account
ATM	Store the details of the money withdrawal from ATM

Page Layouts

• Create different Account layout for different record type.

Record types

• Create 2 different record types for Account object.
Savings and Current account.

Tab Settings

Tabs included are:

- Accounts
- Branch
- Clients
- Client Manager
- Transfer
- Withdraw
- Deposit
- ATM

Security and Sharing Settings

• On System admin profile – whitelist the IP Range à start IP Range = 0.0.0.0 End IP Range 255.255.255.255 and discuss about security token, why do we use security token, when it is available, effect of whitelisting IP Range, and resetting security token.

• Assign User to profiles and Login as these users and visualize the changes made through profiles.

• Create a Permission set - Delete permission on Car Object and assign it only to any user - Sales Manager.

• Create a Public group called Sales operations group. Add all users with Sale profile to this group. • Create a Queue called Sales Agent Queue. Add all Sales Agents to this group. • Transfer record from one user to another.

• Manual Sharing - Share individual records with some users and the group. • Automate the sharing process to share all new status of with Sales operations group. • Automate the sharing process to share all Agents owned cars with Sales operations group.

Validation Rules

• Account cannot be created if the customer doesn't have pan card.
• Account cant be opened with less than 2000 Rs.
• Withdrawal should not breach the minimum balance limit.

Approval Process

• If the withdrawal from the branch is more than 20000 without check then send it for approval of the manager.

Flows

Create a screen flow for creating a new customer record along with its bank account.

Custom Settings

If it is the system admin, then he can create an current account.

Custom Metadata

1. Premium services based on the account type.

Aura/LWC Component

- Create a user interface using AURA /LWC to insert a Client record.
- Develop a parent-child component and a wire property to get the account details and to display the account details and allow user to search the account based on the customer name.
- Develop a record form by using events to create a customer record in the database and edit the form to update the existing details.

Apex Triggers

- Write a trigger, so that a client cannot create two accounts in the same bank.
- Write a trigger to calculate the bank balance in the account object.

Experience Cloud Sites

- Create a Bank Management portal
- A site for the customers and the users to get the account details and do banking transactions.

Reports and Dashboards

- Create a dashboard to show the accounts where balance greater than 10 lakhs.
- Create a dashboard to show the accounts where created date is today.