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Object Oriented Programming

Sep 16.2023

BANK MANAGEMENT SYSTEM

The Bank Management System is a software application designed to streamline and automate various banking processes, ensuring efficient management of customer accounts, transactions, and administrative tasks. This report provides an overview of the key components, features, and benefits of a Bank Management System.

Objectives of Bank Management System

The main objective of the Bank Management System is listed below:

- Customer Account Management
- Managing Data of Clients and Employees
- Provides Security and Privacy of their data
- Integration with Other Systems
- Online Banking and Services

Classes and Objects Specification

I can use three classes in this project:

- Manager Class
- Users Class
- Employee Class

Manager Class:

The Manager class represents a bank manager in the system. It has its own login account, which allows the manager to perform various functions. Some of the functions that the manager can perform include adding an employee's data to the system, displaying employee records, deleting employee records, and accessing transaction details of users. Additionally, the manager has access to user accounts, enabling them to perform necessary actions or tasks related to user accounts.

1. Add an Employee's Data.
2. Display Employee's Record.

3. Delete Employee's Record.
4. Transaction Details of User.
5. Also, have access of the User's Account

Employee Class:

The Employee class represents the bank employees who work under the manager. They also have their own login accounts in the system. Employees are responsible for performing operations such as adding or deleting user accounts, displaying user records, and viewing account transactions. Similar to the manager, the employee can access their own account information and perform necessary tasks related to their role. Some tasks are listed below:

1. Adding or Deleting the User's Account
2. Able to Display the Record
3. His own login Account
4. View Account Transactions/

User Class:

The User class represents the customers or users of the bank. Each user has their own account in the system. They have limited access to modify their own data and records. Users can withdraw money from their accounts, deposit money into their accounts, and apply for a loan from the bank. The User class is a central component of the Bank Management System as it focuses on providing functionality and features to the customers.

Conclusion:

These classes and objects are designed to represent the different roles and responsibilities within a bank. The Manager class handles managerial tasks, the Employee class manages employee-related operations, and the User class handles customer-related actions. By defining these classes and their respective functionalities, the Bank Management System can efficiently manage and automate various

banking processes. Please note that this is a simplified explanation, and the actual implementation of the Bank Management System may involve additional classes, methods, and attributes based on the specific requirements and complexity of the system.