

**BANK MANAGEMENT SYSTEM**

REPORT



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ABSTRACT

The Bank Management System (BMS) is designed to streamline banking operations by providing a digital solution for managing customer accounts, transactions, loans, and security features. The system aims to enhance efficiency, reduce manual workload, and improve data security in banking processes. The project incorporates essential banking functionalities such as account creation, deposits, withdrawals, fund transfers, and loan management. Additionally, security measures like user authentication and role-based access control ensure data protection.

The system is developed using a combination of programming languages and database management tools, ensuring a user-friendly interface and smooth data handling. By automating banking tasks, the BMS enhances customer experience and operational efficiency. The system is suitable for small to mid-sized financial institutions looking to digitize their operations effectively.

**SYSTEM CONFIGRATION**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | * **Operations Used** | **Account creation, Deposits, Withdrawals, Fund transfers, Loan processing, Authentication** |  |  |  |  |
|  |  | * **Data Structures Used** | **Structures (struct) for defining bank accounts** |  |  |  |  |
|  |  | * **Functions Used** | **Deposit, Withdraw, Display Balance** |  |  |  |  |
|  |  | * **Control Structures** | **If-else statements for conditions (e.g., insufficient balance)** |  |  |  |  |
|  |  | * **Loops Used** | **For Loop (iterating records), While Loop (authentication & menu-driven interactions)** |  |  |  |  |
|  |  | * **Development Tool** | **Online C Compiler** |  |  |  |  |

**This ensures smooth functioning of the BANK MANAGEMENT SYSTEM with optimal performance and security features.**

**References**

**REFERENCE LINKS**

**C Programming Basics – https://www.programiz.com/c-programming**

**Structures in C – https://www.geeksforgeeks.org/structures-c/**

**Functions in C – https://www.tutorialspoint.com/cprogramming/c\_functions.htm**

**Bank Management System in C (Example Code) – https://www.codewithc.com/simple-bank-management-system-project-in-c/**

**OnlineGDB – Online Compiler and Debugger – https://www.onlinegdb.com/**

**GitHub Bank Management System Repositories – https://github.com/search?q=bank+management+system+c**