BANKING INFORMATION SYSTEM

Project Report

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Internship: Full Stack Web Development
Organization: Upskill Campus
Technology Used: Core Java

1. Abstract

The Banking Information System is a console-based application developed using Core Java. The system allows users to create a bank account, deposit money, withdraw money, check balance, and view account details. This project demonstrates the use of object-oriented programming concepts such as classes, objects, methods, and encapsulation.

2. Introduction

Banking systems are essential in managing customer financial data securely and efficiently. This project simulates basic banking operations through a simple menu-driven program. It is designed for beginners to understand real-world banking logic using Java programming.

3. Objectives

- To understand Core Java concepts
- To implement object-oriented programming
- To simulate basic banking operations
- To build a user-friendly menu-driven application

4. System Requirements

Hardware Requirements

- Computer or Laptop
- Minimum 4 GB RAM

Software Requirements

- Windows OS
- JDK 8 or above
- Any Java IDE (VS Code / IntelliJ / Eclipse)

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5. System Design

The system consists of:

- BankAccount class to store account details
- Methods for deposit, withdraw, balance inquiry
- Main class for user interaction

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6. Functional Description

- Create Bank Account
- Deposit Money
- Withdraw Money
- Check Account Balance
- Display Account Details

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7. Advantages

- Simple and easy to use
- Beginner-friendly design
- Demonstrates real-world banking logic
- Secure basic transaction handling

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8. Limitations

- Console-based only
- No database connectivity
- Single user at a time

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9. Future Enhancements

- Add database integration
- Web-based interface
- User authentication
- Transaction history

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10. GitHub Repository Links

Code File Link:

https://github.com/NirajK4076/upskillcampus/blob/main/BankingInformationSystem.java

Report File Link:

https://github.com/NirajK4076/upskillcampus/blob/2e78e6298c5ad2bc48bcbc606110bee228aa65eb/BankingInformationSystem_Niraj_Kowale_USC_UCT.pdf

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11. Conclusion

The Banking Information System successfully demonstrates the use of Core Java and object-oriented programming concepts. The project serves as a strong foundation for understanding real-world application development.