

# BANKING INFORMATION SYSTEM

## Project Report

**Name:** Niraj Kowale

**Internship:** Full Stack Web Development

**Organization:** Upskill Campus

**Technology Used:** Core Java

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### 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.

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### 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.

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### 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
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### 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/main/BankingInformationSystem\\_Niraj\\_Kowale\\_USC\\_UCT.pdf](https://github.com/NirajK4076/upskillcampus/blob/main/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.