

Feasibility Report

Bank Management System

Version 1.0:

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1 Technical Feasibility

1.1 Technology Requirements

- **Programming Language:** C++
- **Storage:** File-based system

2 User Feasibility

2.1 Target Users

- **Bank Tellers:** Daily transaction processing and client management
- **Bank Managers:** Oversight and reporting functions
- **Administrators:** System maintenance and user management
- **Customers:** Indirect users through bank services

2.2 Comparative Analysis

- **Advantages :** cost-effective, reduced errors, Object-oriented design, security features, multi-currency support .

3 Schedule Feasibility

3.1 Project Timeline

- **Week 1:** Planning
- **Week 2-3:** Core Development
- **Week 4-5:** Advanced Features
- **Week 6:** Testing

4 Improvement Areas

4.1 Immediate Enhancements

- **Database Integration:** Transition from file-based to database storage
- **Web Interface:** Develop a web-based frontend for broader accessibility
- **Mobile Application:** Companion app for customer self-service
- **API Development:** RESTful APIs for third-party integrations

4.2 Long-term Improvements

- **AI Integration:** Fraud detection using machine learning
- **Blockchain:** Secure transaction recording
- **Cloud Deployment:** Scalable cloud infrastructure
- **Advanced Analytics:** Customer behavior analysis and reporting
- **Multi-language Support:** Internationalization for global use