

Project Report on

# **Banking system**

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Type of Project: Web Technology

Languages Used: HTML5, CSS3, Bootstrap5 & Javascript

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# **1.Overview:**

The Bank Management System is a software application designed to manage and automate banking operations such as account creation, transactions, withdrawals, deposits, and balance inquiries. This system ensures efficient, accurate, and secure banking processes..

# **2.Objectives:**

- .To develop a secure and efficient banking system.
- To automate banking operations and reduce manual workload.
- To maintain a centralized database of customer details and transactions.
- To provide a user-friendly interface for customers and bank employees.

## **2. System Analysis**

### **2.1 Existing System**

In traditional banking systems, transactions are recorded manually, which leads to inefficiency, data loss, and security risks.

## **2.2 Proposed System**

The proposed system automates banking operations, providing secure, fast, and accurate transaction processing. It includes features like account management, fund transfers, and transaction history tracking.

## **3. System Design**

### **3.1 System Architecture**

The system follows a three-tier architecture:

1. Presentation Layer (User Interface)
2. Business Logic Layer (Processing Transactions)
3. Database Layer (Data Storage)

### **3.2 Modules**

- Admin Module: Manages user accounts, monitors transactions, and generates reports.
- Customer Module: Allows users to create accounts, check balances, and transfer funds.
- Transaction Module: Handles deposits, withdrawals, and fund transfers.

- **Security Module:** Provides authentication and authorization mechanisms.

## **4. Technologies Used**

- **Frontend:** HTML, CSS, JavaScript (for web-based interface)
- **Backend:**
- **Database:**
- **Framework:** (optional)

## **5. Implementation**

The implementation involves:

1. **Database Creation:** Designing tables for storing customer details and transactions.
2. **Developing User Interface:** Creating a user-friendly interface for banking operations.
3. **Business Logic Implementation:** Writing code for transaction processing and validation.
4. **Testing & Debugging:** Ensuring the system functions correctly before deployment.

## **6. Security Features**

- User Authentication: Login with username and password.
- Data Encryption: Securing sensitive information.
- Transaction Verification: OTP-based fund transfers.

## **7. Advantages**

- Reduces manual work and errors.
- Provides fast and secure banking services.
- Allows customers to access their accounts anytime.

## **8. Conclusion**

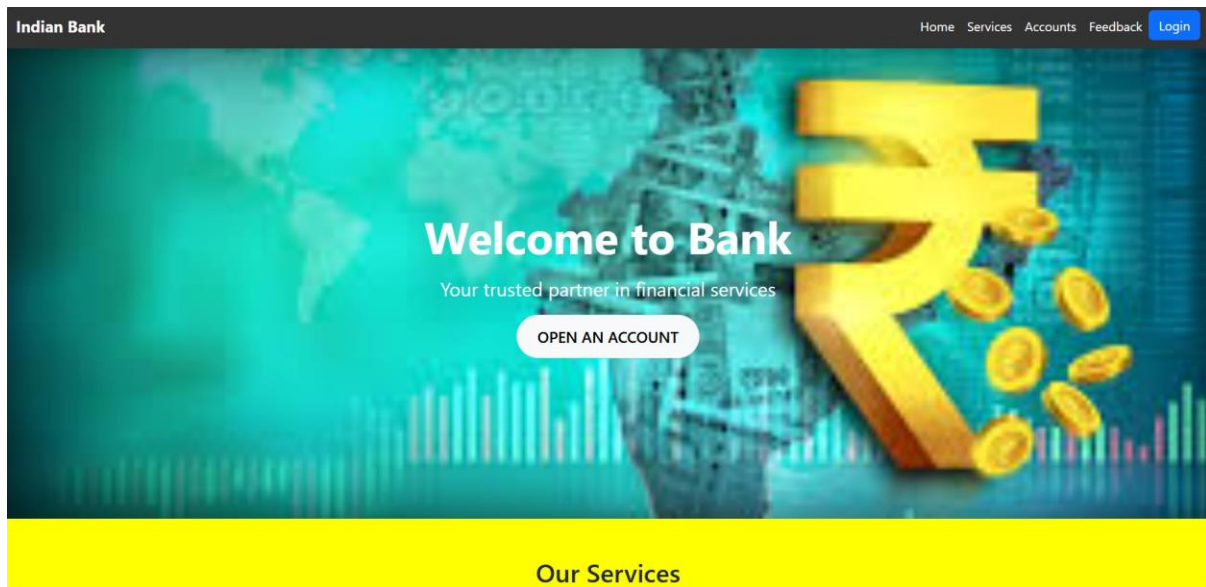
The Bank Management System is an efficient and secure platform that enhances banking operations. By automating transactions and account management, it reduces human effort and improves customer experience.

- **9. Future Scope**

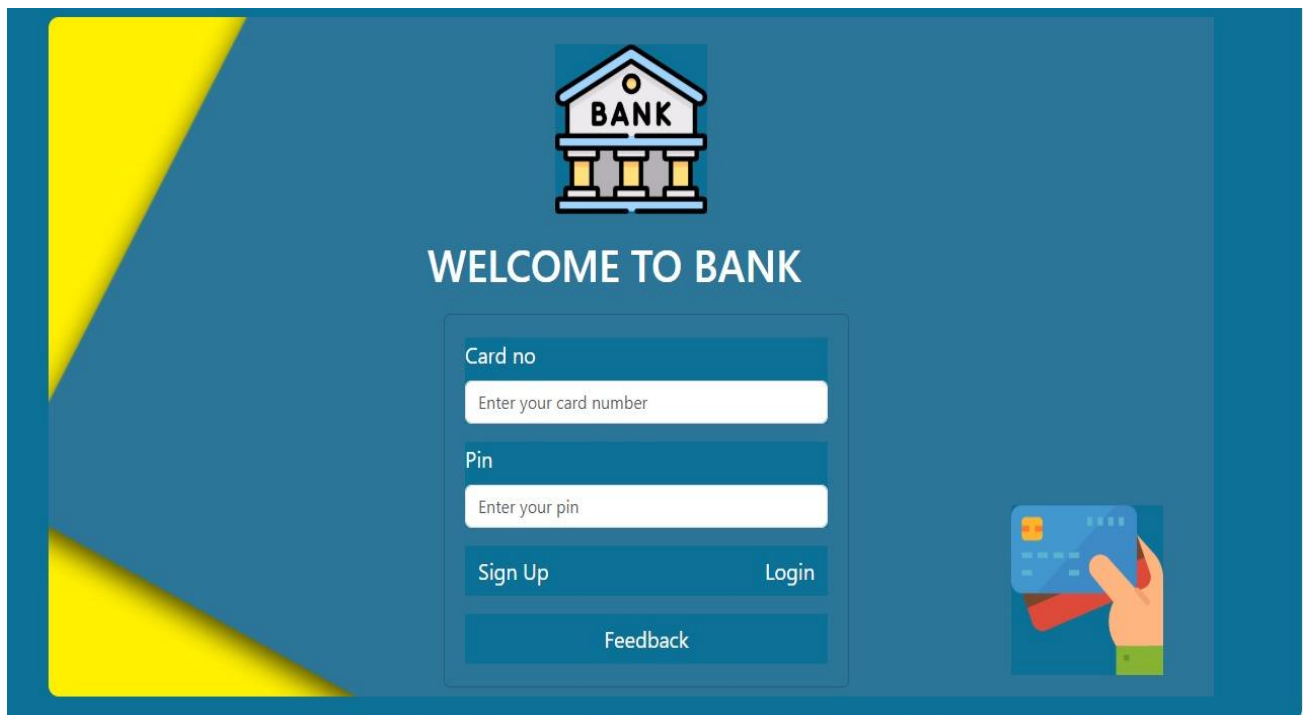
- Mobile banking integration.
- AI-based fraud detection.
- Blockchain-based secure transactions

## 4.Output Screens:

### Home Page



### Login Page



# Form page 1



## Application Form No:

page 1

Personal Details

Name

Father's Name

Gender

- ☐ Male  
☐ Female  
☐ Other

Date of Birth



Email address

Marital Status

- ☐ Married  
☐ Unmarried  
☐ Divorced  
☐ Other

Address

City

State


Pin Code

Next>



## Form page 2

Form no: 2



Page 2:-

Additional Details

Religion

Enter your religion

Category

Select your category

Income (per annum)

Enter your income

Educational Qualification

Select your qualification

Occupation

Enter your occupation

PAN Number

Enter your PAN number

Aadhar Number

Enter your Aadhar number

Senior Citizen

☐ Yes

☐ No


Existing Account

☐ Yes

☐ No

Submit

## Form Page 3



### Page 3: Account Details

**Account Type:**

☒ Saving Account  
☐ Current Account  
☐ Fixed Deposit Account  
☐ Recurring Deposit Account

**Card Number:**

XXXX-XXXX-XXXX-4184

**PIN:**

....

**Services Required:**

☐ ATM Card  
☐ Mobile Banking  
☐ Cheque Book  
☐ Internet Banking  
☐ Email Alerts  
☐ E-Statement

☐ I hereby declare that the above entered details are correct to the best of my knowledge.

**Submit** **Cancel**

## ATM PAGE 1



## Footer Section

### Feedback Form

Your Name

Mobile Number

Email Address

Your Message

Send Message

# Thank You..