

SUDECHHA CHAKRABORTY

RA2211003010967

AUTOMATED TELLER MACHINE(ATM)

IN 257

ABSTRACT

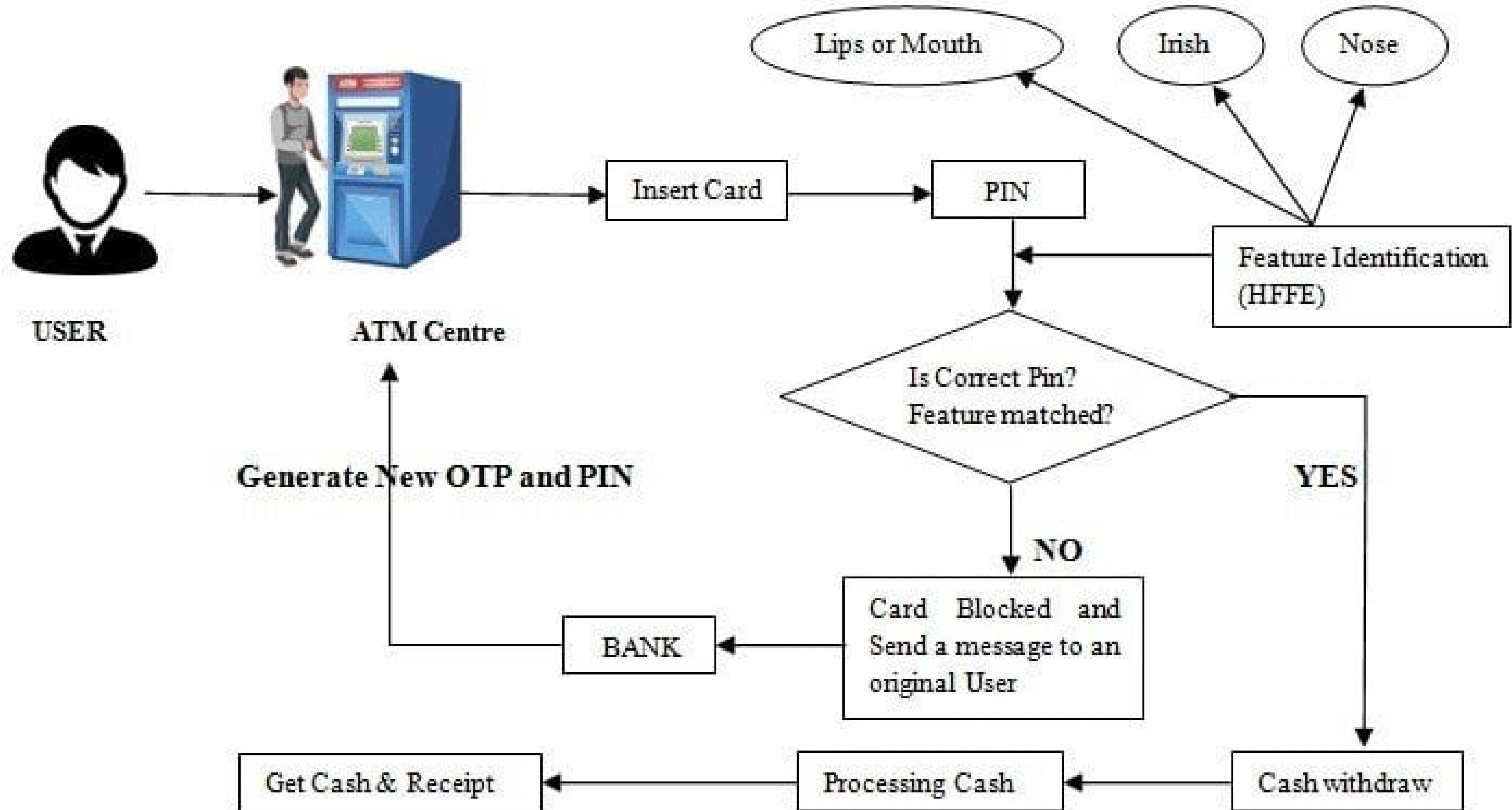
- The "Automated Teller Machine(ATM)" is a Java project that closely mimics the functionalities of a traditional ATM, featuring core Java technologies such as **Swing and AWT** for its user interface. It offers a comprehensive suite of banking services, including account creation, deposits, withdrawals, mini-statements, and PIN changes, providing customers with a secure and user-friendly banking experience.
- The system is integrated with a **MySQL database** to manage customer data and transaction records.
- Developed in the **NetBeans IDE**, this project exhibits realistic ATM operations, robust error handling, and scalability for future enhancements, making it a valuable asset for both customers and banking institutions.



OBJECTIVES

- **Emulate Real ATM Operations:** Develop a Java-based ATM Simulator that accurately replicates the functions of a physical ATM to provide a lifelike user experience.
- **User-Friendly Interface:** Create an intuitive and user-friendly interface using Java Swing and AWT, making the system accessible to users of all technical levels
- **Security:** Implement robust security measures to safeguard user information and transactions, ensuring data privacy and integrity.
- **Account Management:** Enable users to open new bank accounts seamlessly within the application, simplifying the account creation process.
- **Transaction Handling:** Facilitate secure deposits and withdrawals, providing users with efficient and reliable financial transaction capabilities.
- **Database Integration:** Integrate a MySQL database to manage customer data and transaction records efficiently, ensuring data accuracy and accessibility.

ARCHITECTURE DIAGRAM

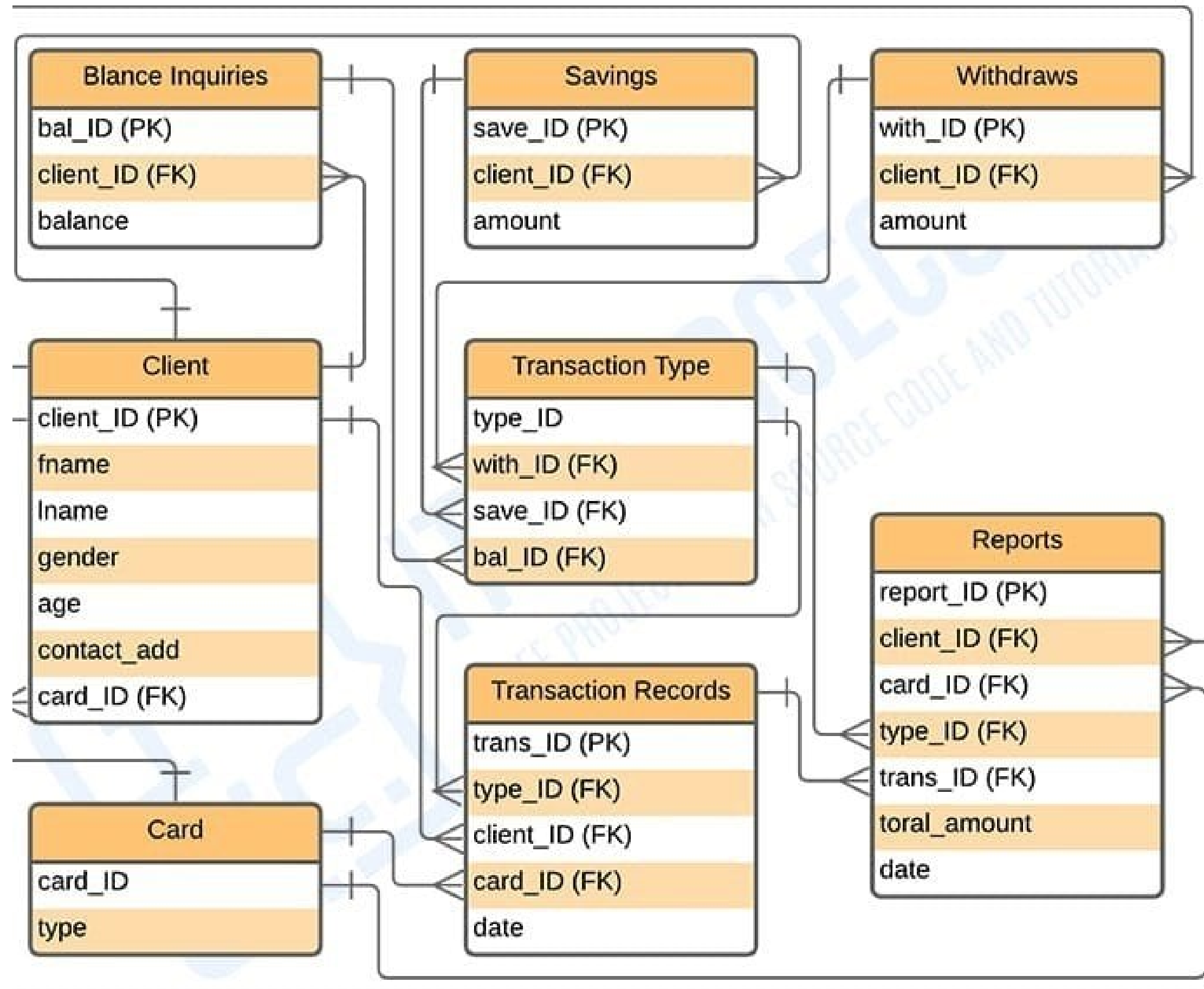


UDG




DATABASE DESIGN

ATM MANAGEMENT SYSTEM



OUTPUT

AUTOMATED TELLER MACHINE



WELCOME TO ATM

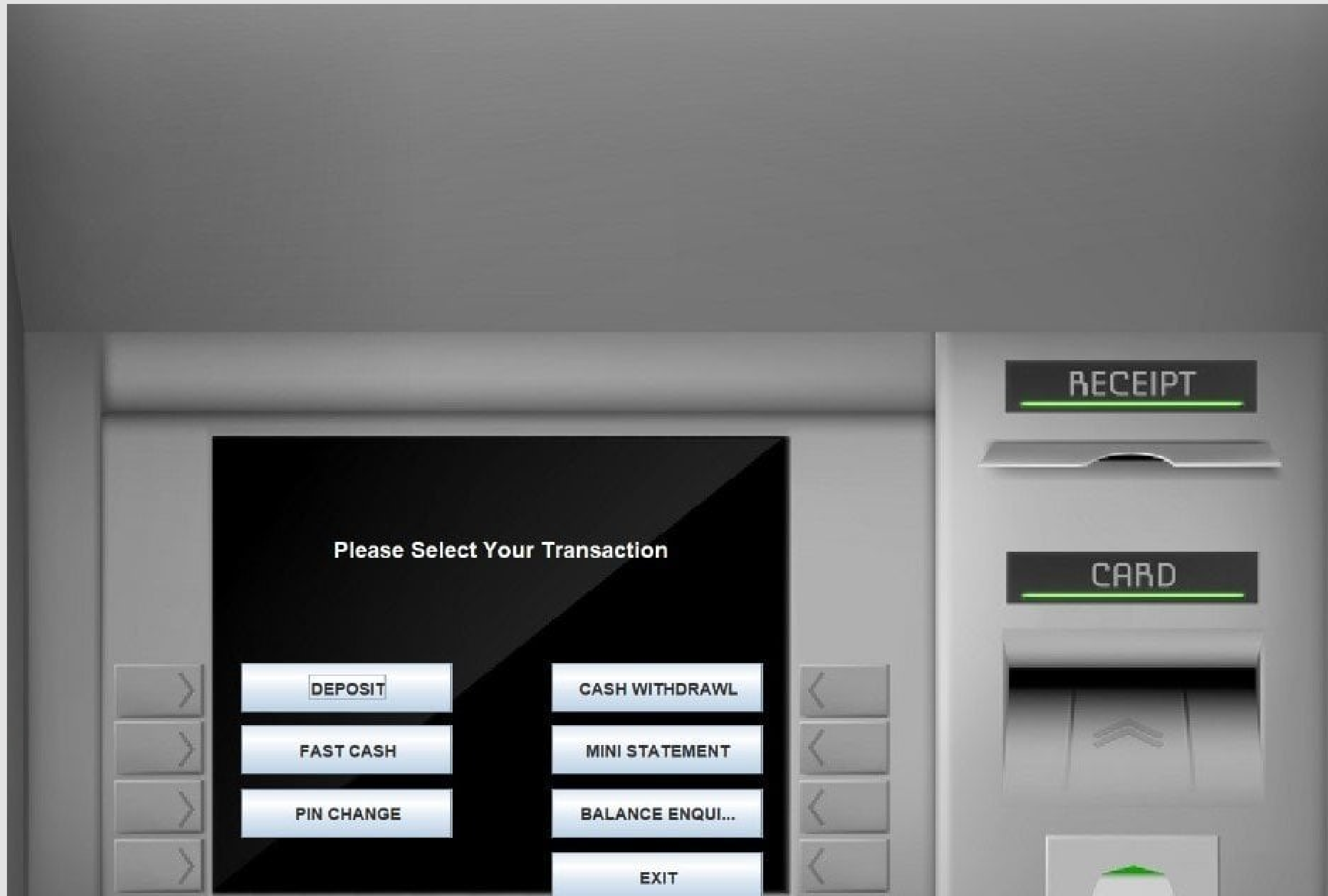
CARD NO.:

PIN:

SIGN IN

CLEAR

SIGN UP



APPLICATION FORM NO. 1927

Page 1: Personal Details

Name:	<input type="text"/>
Father's Name:	<input type="text"/>
Date Of Birth:	<input type="text"/> 
Gender:	<input type="radio"/> Male <input type="radio"/> Female <input type="radio"/> Others
Email Address:	<input type="text"/>
Marital Status:	<input type="radio"/> Married <input type="radio"/> Unmarried
Address:	<input type="text"/>
City:	<input type="text"/>
State:	<input type="text"/>
PIN code:	<input type="text"/>

Next

Page 2: Additional Details

Religion: Hindu ▼

Category: General ▼

Income: Null ▼

Educational:
Qualification: Non-Graduate ▼

Occupation: Salaried ▼

PAN Number:

Aadhar Number:

Senior Citizen: ☐ Yes ☐ No

Existing Account: ☐ Yes ☐ No

Next



Form No: 0

Page 3: Account Details

Account Type:

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

Card Number:

(Your 16-digit Card number)

XXXX-XXXX-XXXX-4184

It would appear on ATM Card/Cheque Book and Statements

PIN:

(4-digit password)

XXXX

Services Required:

☐ ATM CARD☐ Internet Banking☐ Mobile Banking☐ EMAIL Alerts☐ Cheque Book☐ E-Statement☒ I hereby declares that the above entered details correct to th best of my knowledge.**Submit****Cancel**