# Bank Management System

The javax.swing package in Java is part of the Java Swing API, which provides a set of GUI components and related classes for creating desktop applications. It is a commonly used package for developing **graphical user interfaces in Java**.

The javax.swing package contains a wide range of classes and interfaces that allow you to create and customize GUI components, handle events, layout components within containers, and manage the overall appearance and behavior of your application. Some of the key classes and interfaces in the javax.swing package include:

1. JFrame: A top-level container that represents a window in a Swing application.
2. JButton: A button component that triggers an action when clicked.
3. JLabel: A component used for displaying text or an image.
4. JTextField: A text input component that allows users to enter and edit text.
5. JComboBox: A drop-down list that allows users to select an item from a list of options.
6. JCheckBox: A check box component that represents a binary choice.
7. JRadioButton: A radio button component that allows users to select a single option from a group.
8. JScrollPane: A scrollable pane that allows you to display and navigate through the contents of a larger component.
9. ActionListener: An interface that allows you to handle events triggered by user actions, such as button clicks.
10. ImageIcon is a class in Java Swing that represents an image icon, which can be used to display an image on a Swing component, such as a JLabel, JButton, or JMenuItem. It provides a way to load and manage images for use in a Swing application.

These are just a few examples of the classes and interfaces available in the javax.swing package. Swing provides a rich set of tools and components that you can use to create complex and interactive user interfaces for your Java applications.

To use the javax.swing package, you need to import the necessary classes from the package and create instances of the components you want to use. You can then customize their properties, add event listeners, and arrange them within containers using layout managers.

**JAVA To Data Base Connection:**

Here's a step-by-step guide on how to connect to a database using JDBC in Java:

1. **Register the driver**
   Before establishing a connection, you need to load the appropriate JDBC driver for your database. The driver class is responsible for providing the necessary implementation to connect and interact with the database. The driver JAR file needs to be included in your

project's class path. The exact process for loading the driver depends on the specific database you're using. For example, if you're using MySQL, you can load the driver as follows:

```
Class.forName("com.mysql.cj.jdbc.Driver");
```

2. **Create connectivity**

   Once the driver is loaded, you can establish a connection to the database by specifying the database URL, username, and password. The URL format and required credentials also depend on the database you're using. Here's an example for connecting to a MySQL database:

```
Connection conn = DriverManager. getConnection(url, username, password);
```

3. **Create Statement**

   Once the connection is established, you can execute various database operations like querying data or updating records. You use the Connection object to create Statement instances for executing SQL statements.

```
Statement statem=connection.CreateStatement();
```

4. **Execute Query**

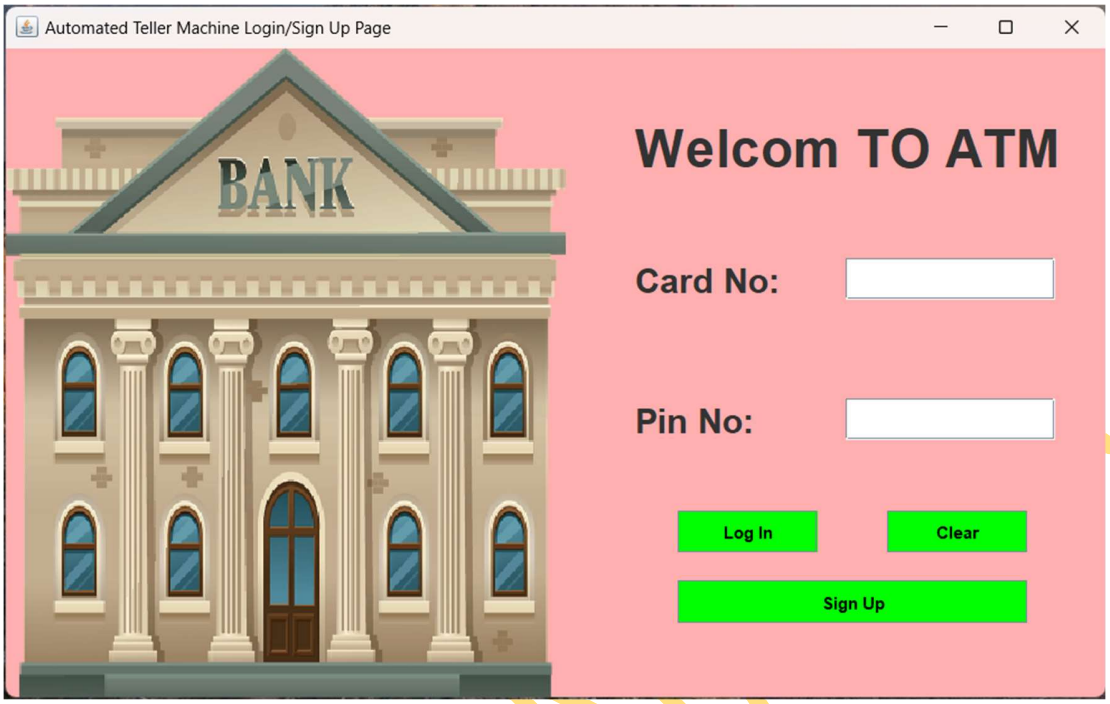
   After then Use query`s to insert data into the database.

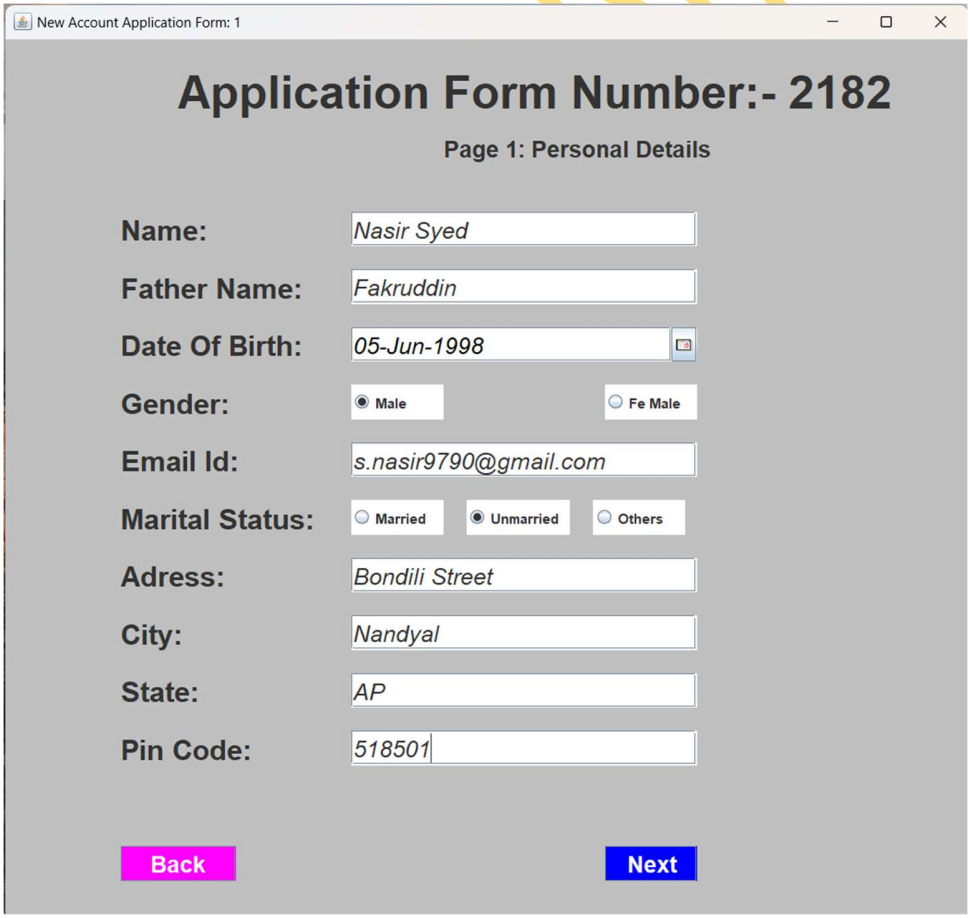
```
ResultSet rs=statem. ExecuteQuery(”select * from bank”);
```

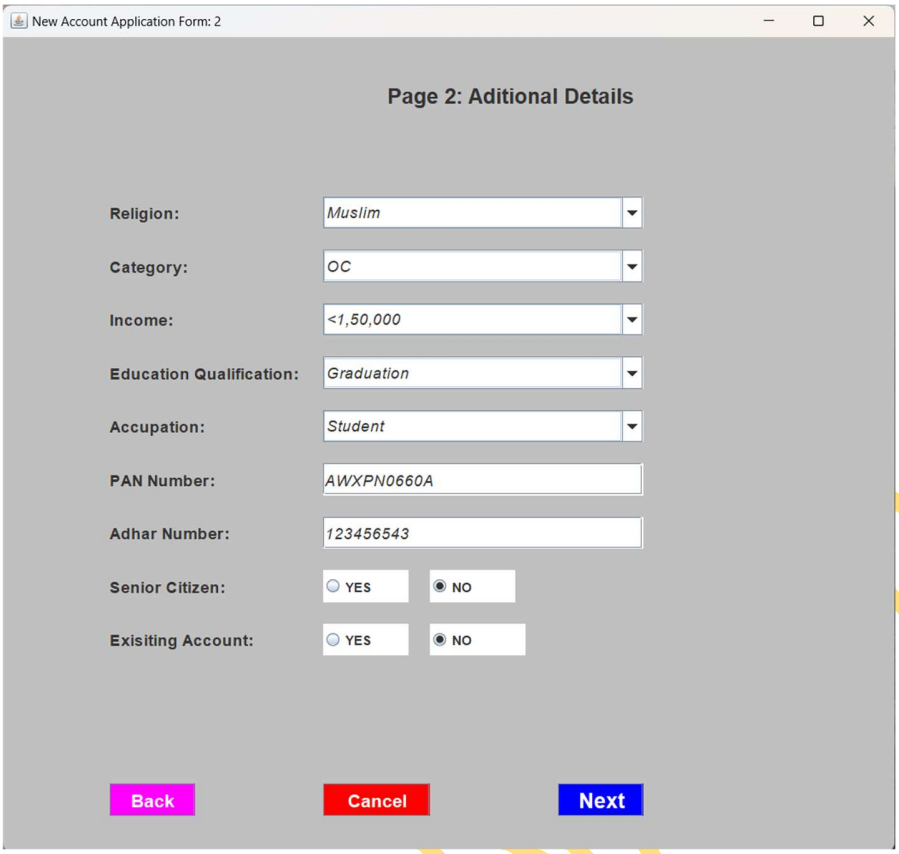
5. **Close Connection**

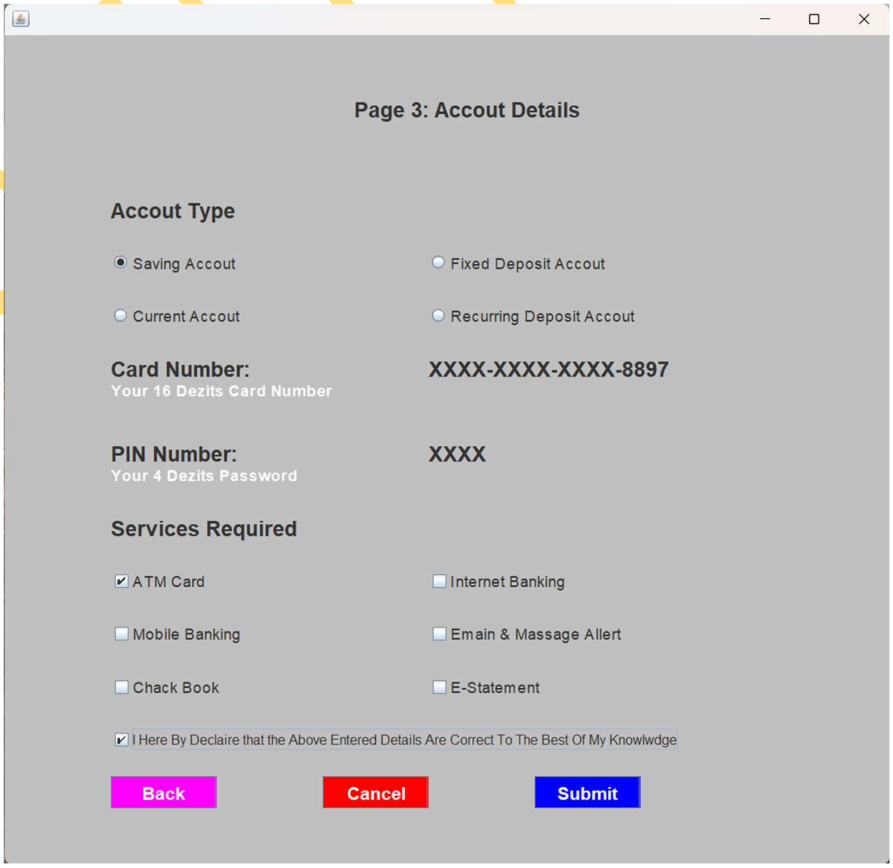
   After you finish working with the database, it's important to close the resources properly. Close the **Connection**, **Statement**, and **Result Set** objects to **release any resources they hold**. You can use the **close()** method to close these objects:

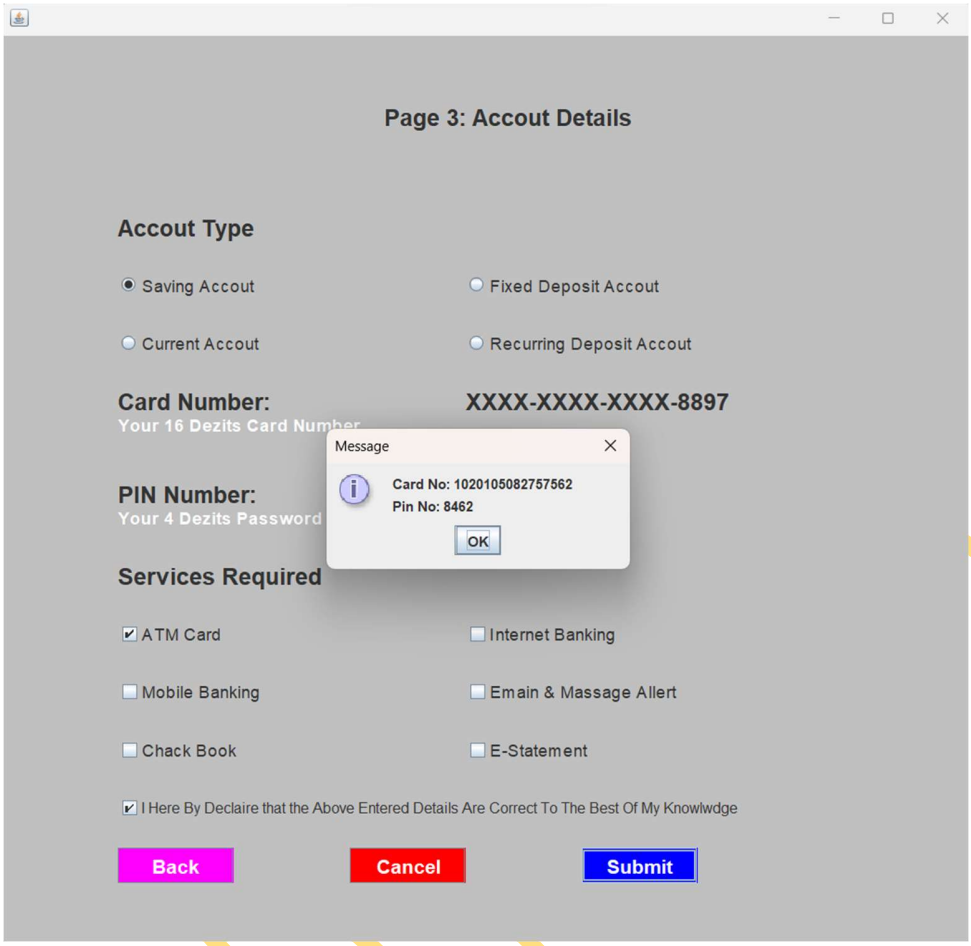
```
resultSet. close();
statement. close();
connection. close();
```

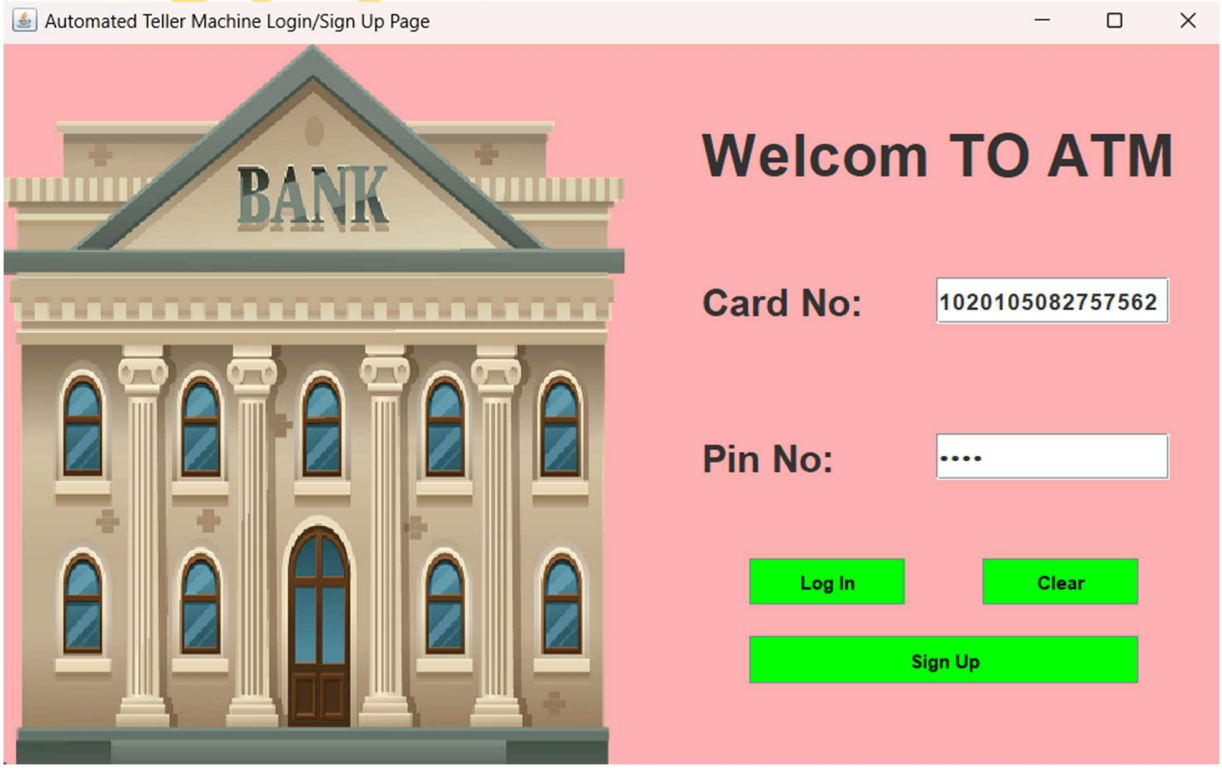

Automated Teller Machine Login/Sign Up Page
BANK
Welcom TO ATM
Card No:
Pin No:
Log In
Clear
Sign Up

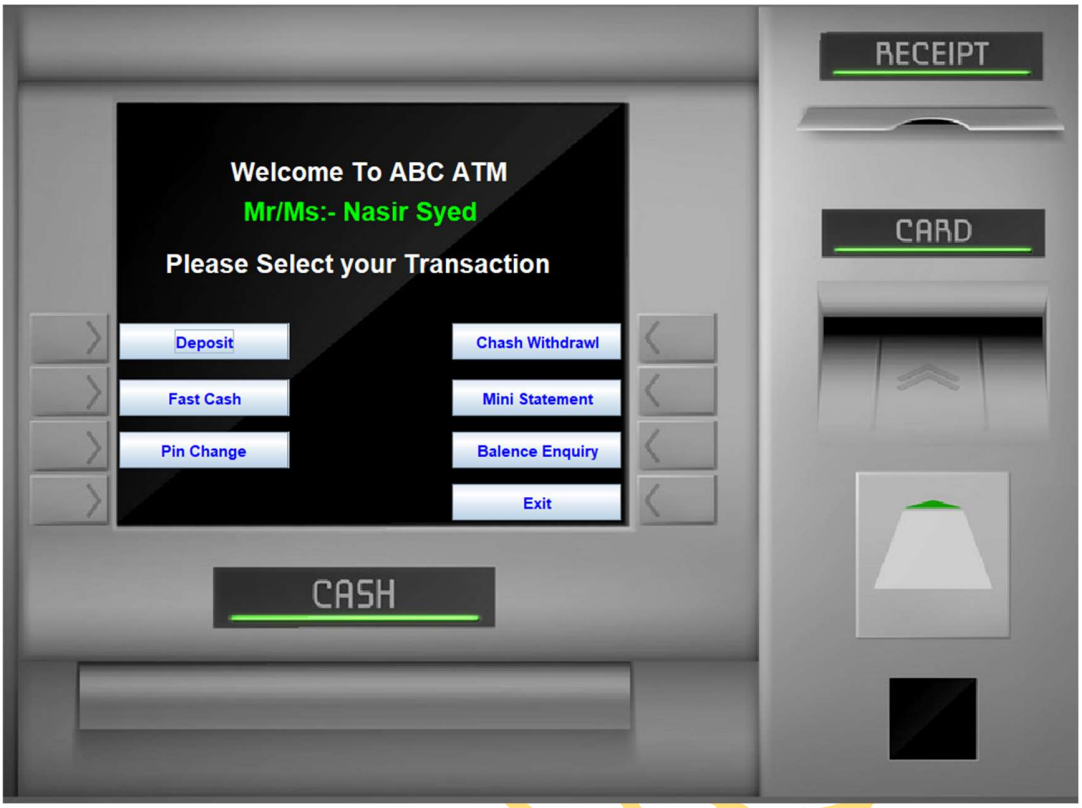

New Account Application Form: 1
Application Form Number:- 2182
Page 1: Personal Details
Name:
Nasir Syed
Father Name:
Fakruddin
Date Of Birth:
05-Jun-1998
Gender:
Male
Fe Male
Email Id:
s.nasir9790@gmail.com
Marital Status:
Married
Unmarried
Others
Adress:
Bondili Street
City:
Nandyal
State:
AP
Pin Code:
518501
Back
Next

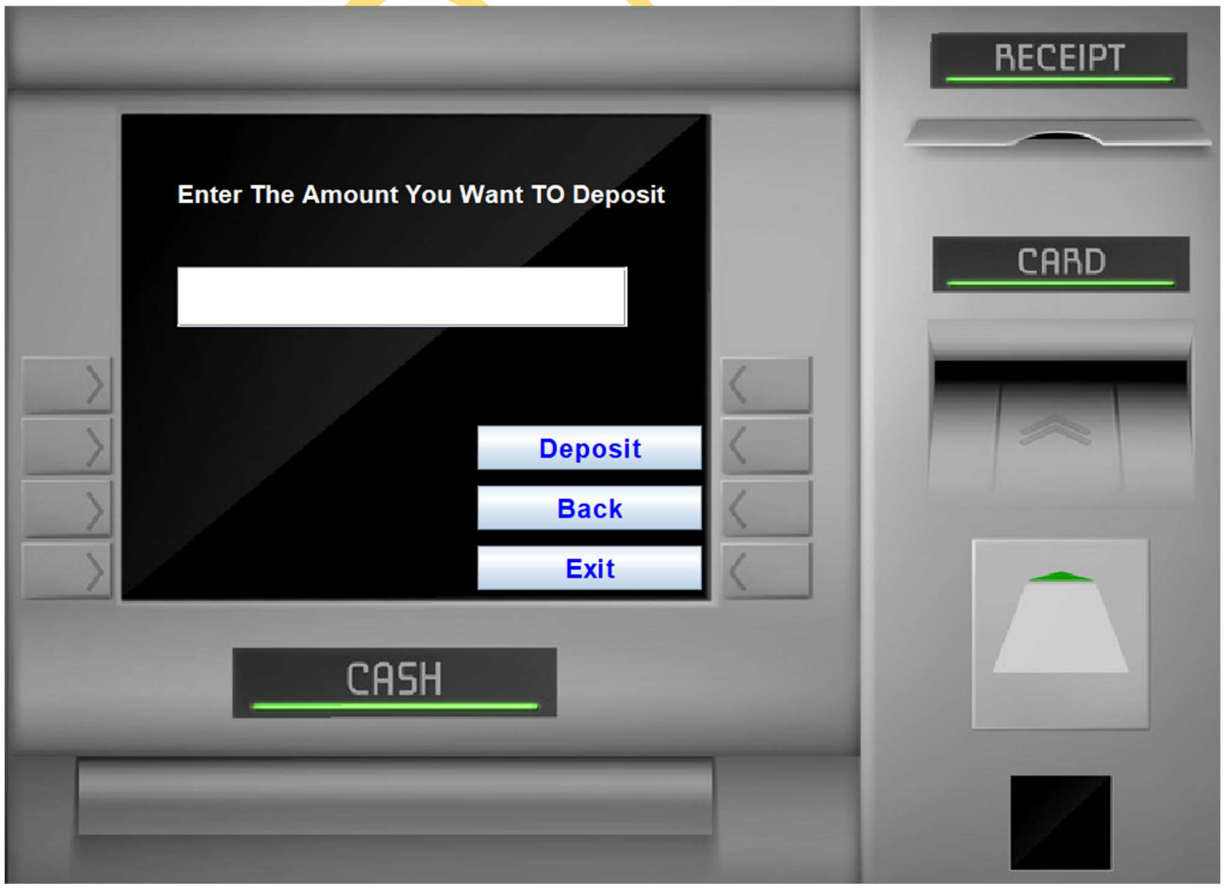

New Account Application Form: 2
Page 2: Aditional Details
Religion:
Muslim
Category:
OC
Income:
<1,50,000
Education Qualification:
Graduation
Accupation:
Student
PAN Number:
AWXPN0660A
Adhar Number:
123456543
Senior Citizen:
YES
NO
Exisiting Account:
YES
NO
Back
Cancel
Next

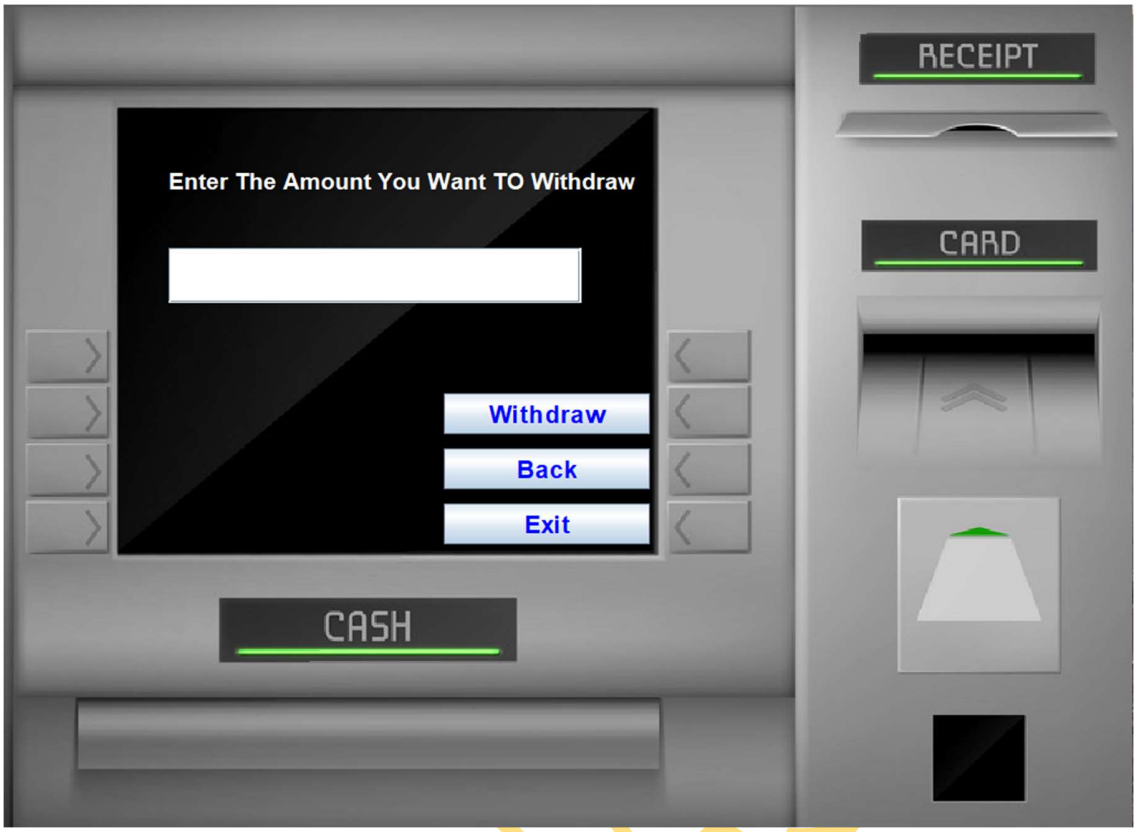

Page 3: Accout Details
Accout Type
Saving Accout
Fixed Deposit Accout
Current Accout
Recurring Deposit Accout
Card Number:
Your 16 Dezits Card Number
XXXX-XXXX-XXXX-8897
PIN Number:
Your 4 Dezits Password
XXXX
Services Required
ATM Card
Internet Banking
Mobile Banking
Emain & Massage Allert
Chack Book
E-Statement
I Here By Declaire that the Above Entered Details Are Correct To The Best Of My Knowlwdge
Back
Cancel
Submit


Page 3: Accout Details
Accout Type
Saving Accout
Fixed Deposit Accout
Current Accout
Recurring Deposit Accout
Card Number:
Your 16 Dezits Card Number
XXXX-XXXX-XXXX-8897
Message
Card No: 1020105082757562
Pin No: 8462
OK
PIN Number:
Your 4 Dezits Password
Services Required
ATM Card
Internet Banking
Mobile Banking
Emain & Massage Allert
Chack Book
E-Statement
I Here By Declaire that the Above Entered Details Are Correct To The Best Of My Knowlwdge
Back
Cancel
Submit


Automated Teller Machine Login/Sign Up Page
BANK
Welcom TO ATM
Card No:
1020105082757562
Pin No:
Log In
Clear
Sign Up


RECEIPT
Welcome To ABC ATM
Mr/Ms:- Nasir Syed
Please Select your Transaction
Deposit
Chash Withdrawl
Fast Cash
Mini Statement
Pin Change
Balence Enquiry
Exit
CARD
CASH


RECEIPT
Enter The Amount You Want TO Deposit
Deposit
Back
Exit
CARD
CASH


RECEIPT
Enter The Amount You Want TO Withdraw
CARD
Withdraw
Back
Exit
CASH


RECEIPT
SELECT WITHDRAW AMOUNT
CARD
Rs 100
Rs 500
Rs 1000
Rs 2000
Rs 5000
Rs 10000
Back
Exit
CASH

# Bank Of ABC

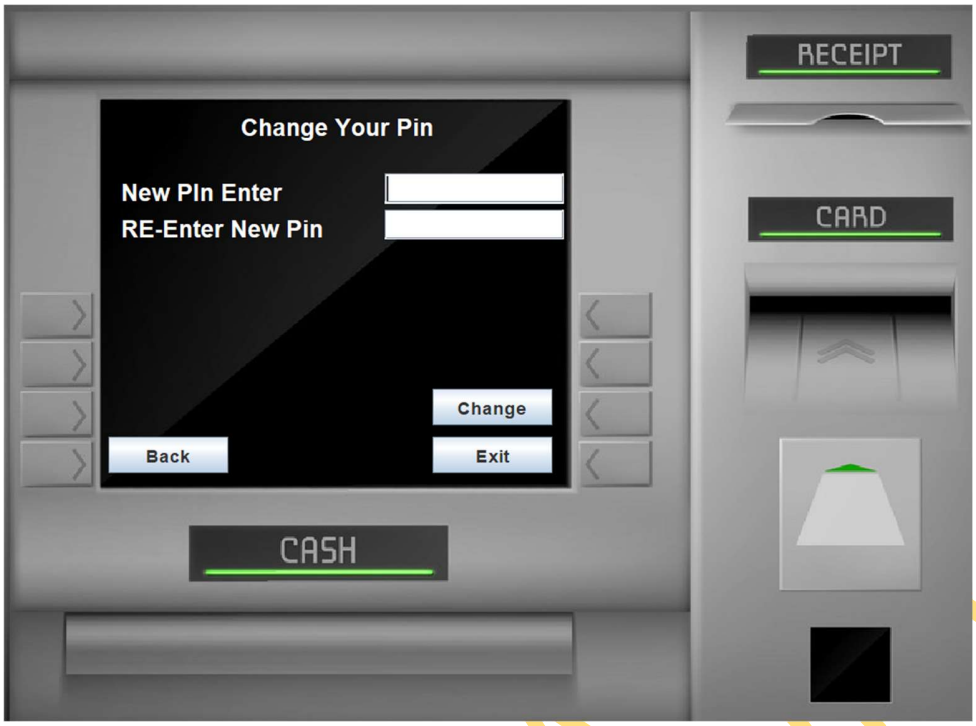
## Mini Statement

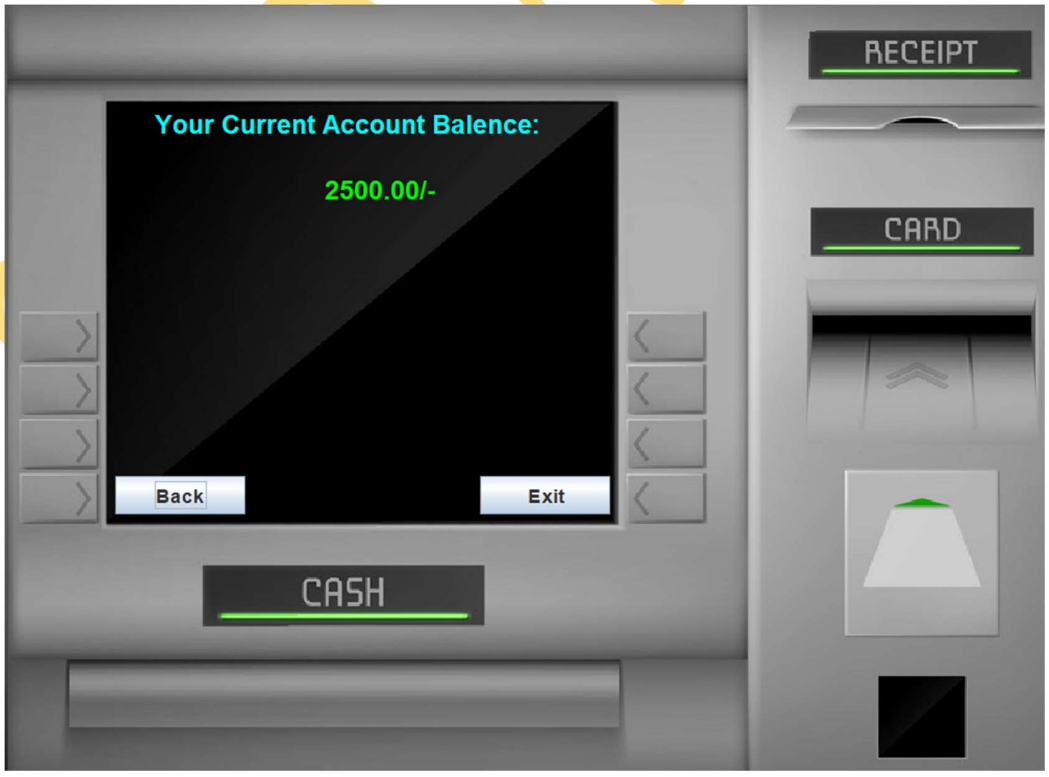
Card Number: 1020-XXXX-XXXX-7562

| pin | date | type | Amount |
|---|---|---|---|
| 8462 | Wed Jun 28 21:03:32 IST 2023 | Deposit | 5000 |
| 8462 | Wed Jun 28 21:03:51 IST 2023 | Withdraw | 2000 |
| 8462 | Wed Jun 28 21:04:07 IST 2023 | withdraw | 500 |

Your Current Account Balence Is Rs 2500.00/-

Exit


Change Your Pin
New PIn Enter
RE-Enter New Pin
Change
Back
Exit
CASH
RECEIPT
CARD


Your Current Account Balence:
2500.00/-
Back
Exit
CASH
RECEIPT
CARD