```
package atminterface;
import java.awt.*;
import java.awt.event.*;
import javax.swing.*;

class MyFrame extends JFrame implements ActionListener
{
    JButton w,d,c,e;
    JTextField amnt,pinno;
    JPanel p;
    JLabel l;
   double  accountbalance=1000;
   int pinnor=1345;
   JTextArea displayArea;
   JPanel buttonPanel;
   JPanel textPanel;
  JLabel labelAboveTextFields;


    MyFrame(){

        super("ATM Interface");

        JPanel contentPanel = new JPanel();
        contentPanel.setLayout(new BorderLayout());
        l = new JLabel("Welcome to ATM X");
        l.setHorizontalAlignment(SwingConstants.CENTER);

        contentPanel.add(l, BorderLayout.NORTH);
```

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p=new JPanel();
p.setLayout(new GridLayout(2, 1));

buttonPanel = new JPanel(new GridLayout(2, 2));
w=new JButton("Withdraw");
d=new JButton("Deposit");
c=new JButton("check balance");
e=new JButton("exit");

buttonPanel.add(w);
buttonPanel.add(d);
buttonPanel.add(c);
buttonPanel.add(e);

textPanel = new JPanel(new GridBagLayout()); // Use GridBagLayout for textPanel
GridBagConstraints gbc = new GridBagConstraints();
gbc.insets = new Insets(5, 5, 5, 5); // Add some padding

labelAboveTextFields = new JLabel("Enter Amount and PIN:");
gbc.gridx = 0;
gbc.gridy = 0;
gbc.gridwidth = 2;
textPanel.add(labelAboveTextFields, gbc);

amnt = new JTextField(10);
pinno = new JTextField( 10);
gbc.gridx = 0;
gbc.gridy = 1;
gbc.gridwidth = 1;
textPanel.add(new JLabel("Amount:"), gbc);
```

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gbc.gridx = 1;
textPanel.add(amnt, gbc);

gbc.gridx = 0;
gbc.gridy = 2;
textPanel.add(new JLabel("PIN:"), gbc);
gbc.gridx = 1;
textPanel.add(pinno, gbc);



displayArea = new JTextArea(10, 40);
displayArea.setEditable(false);

JPanel inputWrapperPanel = new JPanel();
inputWrapperPanel.setLayout(new BoxLayout(inputWrapperPanel, BoxLayout.Y_AXIS));
inputWrapperPanel.add(textPanel);
inputWrapperPanel.add(buttonPanel);

p.add(inputWrapperPanel);

contentPanel.add(p, BorderLayout.CENTER);
contentPanel.add(new JScrollPane(displayArea), BorderLayout.SOUTH);



add(contentPanel);
w.addActionListener(this);
d.addActionListener(this);
c.addActionListener(this);
e.addActionListener(this);
```

```
}public void actionPerformed(ActionEvent e) {

   int correctPin = 1345;
   if (e.getSource() == w || e.getSource() == d || e.getSource() == c) {

      try{
         int enteredPin = Integer.parseInt(JOptionPane.showInputDialog("Enter your PIN:"));
         if (enteredPin == correctPin) {
            // PIN is correct, proceed with the transaction
            if (e.getSource() == w) {

         try {

           double amountToWithdraw = Double.parseDouble(amnt.getText());
           if (amountToWithdraw <= accountbalance) {
            accountbalance -= amountToWithdraw;
            displayArea.append("Withdrawal Successful. New Balance: " + accountbalance + "\n");
         } else {
            displayArea.append("Insufficient Funds!\n");
         }
      } catch (NumberFormatException ex) {
         displayArea.append("Invalid amount\n");
      }
    }else if (e.getSource() == d) {
     try {
         double amountToDeposit = Double.parseDouble(amnt.getText());
         if (amountToDeposit > 0) {
            accountbalance += amountToDeposit;
            displayArea.append("Deposit Successful. New Balance: " + accountbalance + "\n");
         } else {
```

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                displayArea.append("Invalid amount to deposit\n");
            }
        } catch (NumberFormatException ex) {
            displayArea.append("Invalid amount\n");
        }
     } else if (e.getSource() == c) {
         displayArea.append("Current Balance: " + accountbalance + "\n");
        }
    }else{
        displayArea.append( "Incorrect PIN. Transaction aborted.");
     }
    }catch (NumberFormatException ex) {
          displayArea.append( "Invalid PIN format. Please enter a valid PIN.");}
    } else if (e.getSource() == this.e) {
        System.exit(0);
    }
}




    public static void main(String[] args) {
        SwingUtilities.invokeLater(new Runnable() {
            public void run() {
                MyFrame f = new MyFrame();
                f.setSize(500, 500);
                f.setVisible(true);
            }
        });
    }
}
```