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import java.awt.*;
import java.awt.event.*;
public class ATMExampleAWT extends Frame implements ActionListener {
  // Initialize account details
  private int accountNumber = 123456; // example account number
  private int pin = 1234; // example PIN
  private int balance = 100000; // Initialize balance
  // UI components
  Label label1, label2, label3, messageLabel;
  TextField accountField, pinField, inputField;
  Button
           loginButton,
                          withdrawButton, depositButton,
                                                              checkBalanceButton,
exitButton, confirmButton;
  Panel loginPanel, menuPanel, actionPanel;
  private String currentAction = ""; // To track if we are withdrawing or depositing
  public ATMExampleAWT() {
    // Set up the frame
    setTitle("ATM Example");
    setSize(400, 300);
    setLayout(new CardLayout());
    // Login panel
    loginPanel = new Panel(new GridLayout(4, 2));
    label1 = new Label("Account Number:");
    label2 = new Label("PIN:");
    accountField = new TextField();
    pinField = new TextField();
    pinField.setEchoChar('*');
    loginButton = new Button("Login");
    loginButton.addActionListener(this);
    messageLabel = new Label("", Label.CENTER);
    loginPanel.add(label1);
    loginPanel.add(accountField);
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loginPanel.add(label2);
loginPanel.add(pinField);
loginPanel.add(new Label(""));
loginPanel.add(loginButton);
loginPanel.add(messageLabel);
// Menu panel
menuPanel = new Panel(new GridLayout(5, 1));
withdrawButton = new Button("Withdraw");
depositButton = new Button("Deposit");
checkBalanceButton = new Button("Check Balance");
exitButton = new Button("Exit");
withdrawButton.addActionListener(this);
depositButton.addActionListener(this);
checkBalanceButton.addActionListener(this);
exitButton.addActionListener(this);
menuPanel.add(withdrawButton);
menuPanel.add(depositButton);
menuPanel.add(checkBalanceButton);
menuPanel.add(exitButton);
// Action panel for deposit/withdraw inputs
actionPanel = new Panel(new FlowLayout());
label3 = new Label("Enter Amount:");
inputField = new TextField(10);
confirmButton = new Button("Confirm");
confirmButton.addActionListener(this);
actionPanel.add(label3);
actionPanel.add(inputField);
actionPanel.add(confirmButton);
actionPanel.setVisible(false);
// Add panels to the frame
add(loginPanel);
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add(menuPanel);
  add(actionPanel);
  menuPanel.setVisible(false);
  setVisible(true);
  // Handle window closing
  addWindowListener(new WindowAdapter() {
    public void windowClosing(WindowEvent e) {
       dispose();
  });
@Override
public void actionPerformed(ActionEvent e) {
  String action = e.getActionCommand();
  if (action.equals("Login")) {
    int enteredAccountNumber = Integer.parseInt(accountField.getText());
     int enteredPin = Integer.parseInt(pinField.getText());
    if (enteredAccountNumber == accountNumber && enteredPin == pin) {
       loginPanel.setVisible(false);
       menuPanel.setVisible(true);
    } else {
       messageLabel.setText("Invalid Account Number or PIN");
  } else if (action.equals("Withdraw")) {
     currentAction = "Withdraw";
     actionPanel.setVisible(true);
     menuPanel.setVisible(false);
    label3.setText("Enter Amount to Withdraw:");
    inputField.setText("");
  } else if (action.equals("Deposit")) {
    currentAction = "Deposit";
     actionPanel.setVisible(true);
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menuPanel.setVisible(false);
     label3.setText("Enter Amount to Deposit:");
     inputField.setText("");
  } else if (action.equals("Check Balance")) {
     showMessage("Balance: " + balance);
  } else if (action.equals("Exit")) {
     System.exit(0);
  } else if (action.equals("Confirm")) {
     int amount = Integer.parseInt(inputField.getText());
     if (currentAction.equals("Withdraw")) {
       if (balance >= amount) {
          balance -= amount:
          showMessage("Withdrawal successful. Collect your cash.");
       } else {
          showMessage("Insufficient Balance");
     } else if (currentAction.equals("Deposit")) {
       balance += amount;
       showMessage("Deposit successful.");
     }
     // Reset to menu
     actionPanel.setVisible(false);
     menuPanel.setVisible(true);
  }
}
private void showMessage(String message) {
  Dialog dialog = new Dialog(this, "Message", true);
  dialog.setLayout(new FlowLayout());
  Label messageLabel = new Label(message);
  Button okButton = new Button("OK");
  okButton.addActionListener(e -> dialog.setVisible(false));
  dialog.add(messageLabel);
  dialog.add(okButton);
  dialog.setSize(300, 100);
```

```
dialog.setVisible(true);
}

public static void main(String[] args) {
    new ATMExampleAWT();
}
```