

ATM Simulator with **GUI**

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April 29th 2025
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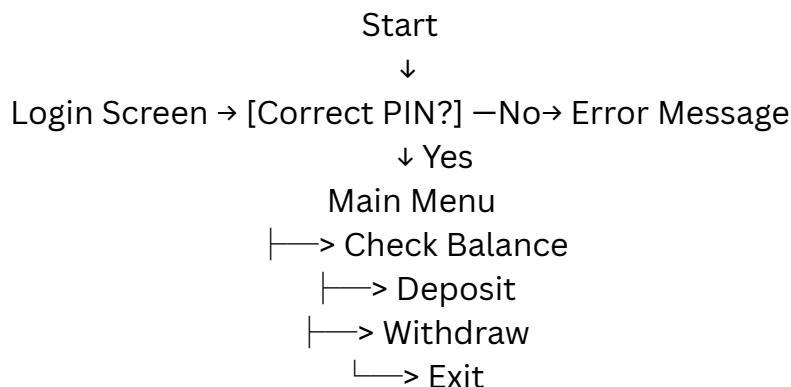
This project is a Python-based ATM Simulator with a graphical user interface using Tkinter.

Users can:

- Log in using a PIN
- Create new accounts
- Check their balance
- Deposit and withdraw money
- Exit the system

The GUI is interactive and user-friendly.

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Pseudocode Example

```
FUNCTION login():
    pin = ask user for PIN
    IF pin == stored_pin:
        go to main menu
    ELSE:
        show error

FUNCTION deposit():
    amount = ask user for deposit amount
    IF amount > 0:
        balance += amount
    ELSE:
        show error
```

User Manual

1. Launch the application by running `ATM_GUI.py`.
2. A login screen appears. Enter '1234' as your PIN.
3. You will be taken to the main menu with options:
 - Check Balance
 - Deposit
 - Withdraw
 - Exit
4. Click on each button to perform the action.
5. To exit, click 'Exit'.

Test Data

Test Case 1: Login with correct PIN (1234)
Expected: Success

Test Case 2: Deposit 100
Expected: Balance increases by 100

Test Case 3: Withdraw 50
Expected: Balance decreases by 50

Test Case 4: Withdraw more than balance
Expected: Show error message

Test Case 5: Enter invalid PIN
Expected: Access denied

Additional Features

- GUI design with error validation
- Ability to add new accounts using a dialog box
- Simple file-based data saving (if implemented)