

## ATM GUI Java Application

This is a **Graphical User Interface (GUI)** based **ATM simulation** project built using **Java Swing**. It provides core ATM functionalities like login, balance inquiry, deposit, and withdrawal in a secure and interactive way.

### Features

- User authentication (ID and PIN)
- Balance check
- Deposit money
- Withdraw money
- Clean and interactive GUI using Swing components

### Project Structure

*ATMGUI.java*    // Main Java file (entry point)  
*README.md*    // Project guide and setup instructions

### How to Run

#### Requirements:

- Java JDK 8 or above
- A text editor or IDE like VS Code, IntelliJ IDEA, or Eclipse
- Command-line terminal (optional)

#### Steps:

##### 1. Download the Project

- Save the file as *ATMGUI.java*

##### 2. Compile the Code

Open terminal or command prompt in the directory where *ATMGUI.java* is saved:

```
javac ATMGUI.java
```

##### 3. Run the Program

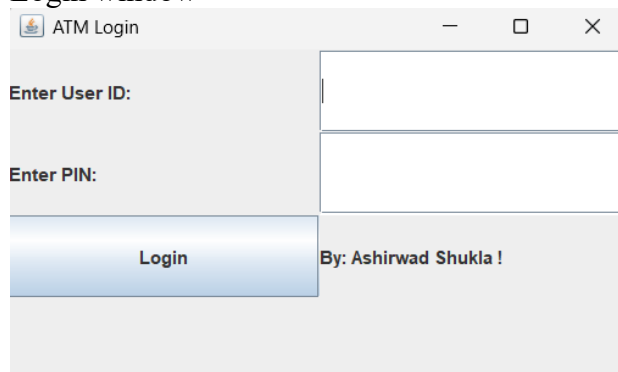
```
java ATMGUI
```

##### 4. Login with the following sample credentials:

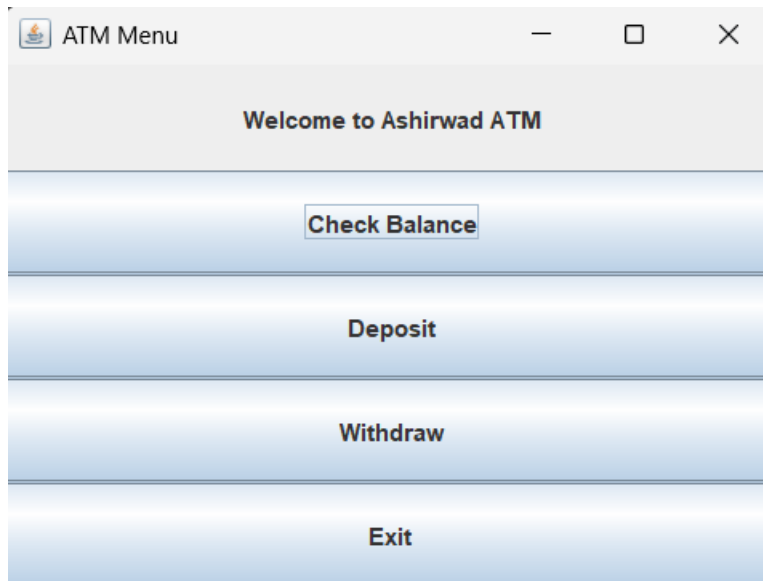
- **User ID:** 123456
- **PIN:** 7890

### Example Screens

- Login window



- ATM menu with:
  - Check Balance
  - Deposit
  - Withdraw
  - Exit



## Technologies Used

- Java (JDK 8+)
- Java Swing (GUI Toolkit)

## Future Improvements

- Support for multiple users (data stored in file or database)
- Transaction history
- Receipt download
- Admin panel

## Contributing

Pull requests are welcome. For major changes, please open an issue first to discuss what you would like to change.

## License

This project is open source and free to use.