

# ATM System

## Simulation

- When user tries to log in but that username is not registered

```
===== LOGIN =====  
Enter username: Hammad  
Enter password: 123  
Login failed. Invalid username or password.  
Press Enter to continue...|
```

- The user registers and then logs in.

```
===== REGISTRATION =====  
Enter username: Hammad  
Enter password: 123  
Confirm password: 123  
Registration successful! You can now login.  
Press Enter to continue...|
```

```
===== LOGIN =====  
Enter username: Hammad  
Enter password: 123  
Login successful! Welcome, Hammad!  
Press Enter to continue...|
```

- Initial balance after login

```
===== ATM MENU =====  
Your current balance: Rs 0  
Press Enter to continue...|
```

- Trying to withdraw with 0 balance.

```
===== ATM MENU =====  
===== WITHDRAWAL =====  
Enter amount to withdraw: Rs 100  
Insufficient funds. Your balance is Rs 0  
Press Enter to continue...|
```

- Depositing money.

```
===== ATM MENU =====  
===== DEPOSIT =====  
Enter amount to deposit: Rs 1000  
Deposit successful. New balance: Rs 1000  
Press Enter to continue...|
```

- Checking balance after depositing.

```
===== ATM MENU =====  
Your current balance: Rs 1000  
Press Enter to continue...|
```

- Withdrawing money after depositing

```
===== ATM MENU =====  
===== WITHDRAWAL =====  
Enter amount to withdraw: Rs 500  
Withdrawal successful. New balance: Rs 500  
Press Enter to continue...|
```

- Transferring money to an unregistered username

```
===== ATM MENU =====  
===== TRANSFER =====  
Enter receiver's username: Mike  
Enter amount to transfer: Rs 300  
Receiver not found. Please check the username.  
Press Enter to continue...|
```

- Registered a user “Mike”

```
users.txt
1 Hammad,123,200
2 Mike,123,300
3 |
```

```
===== ATM MENU =====
===== TRANSFER =====
Enter receiver's username: Mike
Enter amount to transfer: Rs 300
Transfer successful. New balance: Rs 200
Press Enter to continue...
```

- Updated balance for both users after transferring

```
users.txt
1 Hammad,123,200
2 Mike,123,300
3 |
```

- Logging out

```
===== ATM MENU =====
1. Check Balance
2. Deposit
3. Withdraw
4. Transfer
5. Logout
Enter your choice: 5
Logged out successfully.
Press Enter to continue...
```