

# Test cases

## Admin Functions

```
ATM > src > Main.java > ATM > addAmt
Main.java x
Run: Main x
"C:\Program Files\Java\jdk-18.0.2\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2022.2.1\lib\idea_rt.jar=63093:C:\Program Files\JetBrains\I
Welcome !!!
1.Create Account
2.Existing User
3.Admin
Please Enter the Password
12345
Select One of the Option
1.Add Money
2.Keep Maintenance
3.Amount In ATM
4.Exit
3
1 :100
2 :100
5 :100
10 :100
20 :100
100 :100
500 :100
2000 :100
Select One of the Option
1.Add Money
2.Keep Maintenance
3.Amount In ATM
4.Exit
1
Please Enter the Number of Notes You Gonna add respectively
One Coins :1
```

Using 3 to use the admin privileges

Admin enters the password 12345

Functions available to ADMIN

Enters 3 to see the amount available atm

Initially atm contains every money denomination 100 respectively

When atm contains less money admin can enter 1 and add money to atm

```

Please Enter the Number of Notes You Gonna add respectively
One Coins      :1
Two Coins      :1
Five Coins     :1
Ten Notes      :1
Twenty Notes   :1
Hundred Notes  :1
500 Notes      :1
2000 Notes     :1
You have deposited 2638 Successfully
Select One of the Option
1.Add Money
2.keep Maintenance
3.Amount In ATM
4.Exit
3
1      :101
2      :101
5      :101
10     :101
20     :101
100    :101
500    :101
2000   :101
Select One of the Option
1.Add Money
2.keep Maintenance
3.Amount In ATM
4.Exit

```

Admin enters money to atm

After adding money to atm  
the total money in atm  
gets incremented respectively

2

```

Select One of the Option
1.Add Money
2.keep Maintenance
3.Amount In ATM
4.Exit
2 → Admin can keep the atm in maintenance when hardware has some repairs
Enter time in milli Seconds
1000
ATM is Under Maintenance!!!Please come later
Select One of the Option
1.Add Money
2.keep Maintenance
3.Amount In ATM
4.Exit
4 → Admin log outs by entering 4
Welcome !!!
1.Create Account
2.Existing User
3.Admin

```

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# TEST CASES

## Creating an account

The screenshot shows an IDE window titled "ATM - Main.java" with a project structure on the left and a terminal output on the right. The main code area displays the following Java code:

```
ATM > src > Main.java > Main > TEST  
Main.java  
Run: Main  
"C:\Program Files\Java\jdk-18.0.2\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2022.2.1\lib\idea_rt.jar=63258:C:\Program Files\JetBrains\I  
Welcome !!!  
1.Create Account  
2.Existing User  
3.Admin  
1  
Please Note Down Your Account No  
10001  
Please enter a Strong Password of length more than 5 (integers only)  
pavan  
Please enter digits only [0-9]  
Size should be greater than 4  
It should not start with 0  
Please re-enter the Password!!!  
1234  
Please enter digits only [0-9]  
Size should be greater than 4  
It should not start with 0  
Please re-enter the Password!!!  
12345  
Please Enter Your Name  
pavan123  
Please enter Alphabets Only(Excluding Symbols and Digits)  
pavan  
Please Enter Your Phone Number  
+91123456789  
Please enter digits only [0-9]  
+91123456789  
Please add a minimum amount to your account (500rs) At Accountant
```

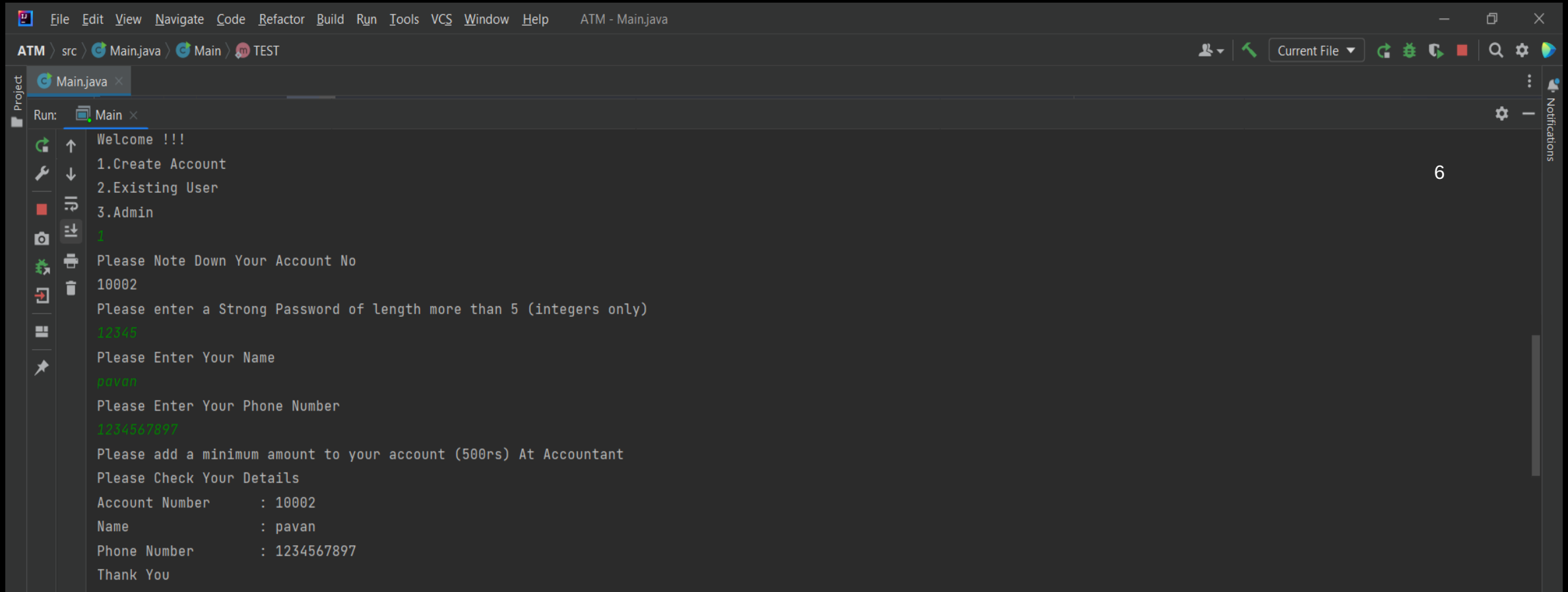
Annotations and test case details:

- Calling 1 to create a new account** (Annotation 4) points to the input "1" for the menu option.
- ATM gives warning as PIN must be made of integers And should be of length greater than 5** (Annotation 5) points to the password input "pavan" and the subsequent error messages.
- Ideal password of length 5** points to the input "12345" for the password.
- Name of a user cannot contain numbers** points to the input "pavan123" for the name.
- Acceptable user name** points to the input "pavan" for the name.
- Phone number can only contain + and 0-9 symbols** points to the input "+91123456789" for the phone number.
- Ideal phone number** points to the input "+91123456789" for the phone number.

The terminal output on the right shows the program's response to the inputs:

```
Please add a minimum amount to your account (500rs) At Accountant  
Please Check Your Details  
Account Number : 10001  
Name : pavan  
Phone Number : +91123456789  
Thank You
```

## Creating second user to show 1<sup>st</sup> and 2<sup>nd</sup> user are unique



The screenshot shows an IDE window titled "ATM - Main.java". The breadcrumb navigation shows the path: ATM > src > Main.java > Main > TEST. The left sidebar shows a project view with "Main.java" selected. The main editor area displays the following code:

```
ATM > src > Main.java > Main > TEST

Welcome !!!
1.Create Account
2.Existing User
3.Admin
1
Please Note Down Your Account No
10002
Please enter a Strong Password of length more than 5 (integers only)
12345
Please Enter Your Name
pavan
Please Enter Your Phone Number
1234567897
Please add a minimum amount to your account (500rs) At Accountant
Please Check Your Details
Account Number      : 10002
Name                 : pavan
Phone Number        : 1234567897
Thank You
```

The output of the program is displayed in the console area on the right, showing the same text as the code. A small number "6" is visible in the top right corner of the console area.

ATM &gt; src &gt; Main.java &gt; Main &gt; TEST

Main.java

Run: Main

```
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Welcome !!!
1.Create Account
2.Existing User
3.Admin
2
Please Enter Your 5 digit Account Number
10001
Please Enter Your Password
12345
Welcome pavan
Functionalities
1.Balance Enquiry
2.Deposit Money
3.Cash Withdrawal
4.Last Three Transactions
5.All Transaction Till Now
6.Change Credentials
7.Exit
1
Your Balance is 500.0
Welcome pavan
Functionalities
1.Balance Enquiry
2.Deposit Money
3.Cash Withdrawal
4.Last Three Transactions
5.All Transaction Till Now
6.Change Credentials
7.Exit
```

User enters 2 as he already has account in atm

User enters the details provided before

User enters 1 to check his balance

```
Welcome pavan
Functionalities
1.Balance Enquiry
2.Deposit Money
3.Cash Withdrawal
4.Last Three Transactions
5.All Transaction Till Now
6.Change Credentials
7.Exit
2 User enters 2 to add some amount to his account
Please Enter the Number of Notes You Gonna add respectively
One Coins :1
Two Coins :1
Five Coins :1
Ten Notes :1
Twenty Notes :1
Hundred Notes :1
500 Notes :1
2000 Notes :1
You have deposited 2638.0 Successfully
Your Current Balance is : 3138.0
... -
```

Version Control TODO Problems Terminal Services Build Run

All files are up-to-date (39 minutes ago)

151:1 LF UTF-8 4 spaces

FileEditViewNavigateCodeRefactorBuildRunToolsVCSWindowHelpATM - Main.java

ATM > src > Main.java > Main > TEST

Main.java

Run: Main

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Project

Structure

Bookmarks

Notifications

Changing from user mode to admin mode to check whether the money is added to atm

Going to admin mode and checking atm added our user money in data

Please Enter Your 5 digit Account Number

10001

Please Enter Your Password

12345

Welcome pavan

Functionalities

1.Balance Enquiry

2.Deposit Money

3.Cash Withdrawal

4.Last Three Transactions

5.All Transaction Till Now

6.Change Credentials

7.Exit

3

Please Enter the amount You require

1000

taking money from atm

Your Current Balance is 2138.0

Prints the balance after the transaction

Version Control

TODO

Problems

Terminal

Services

Build

Run

All files are up-to-date (6 minutes ago)

87:1 LF UTF-8 4 spaces

31°C Mostly cloudy

15:37 29-10-2022

```
Welcome pavan
Functionalities
1.Balance Enquiry
2.Deposit Money
3.Cash Withdrawal
4.Last Three Transactions
5.All Transaction Till Now
6.Change Credentials
7.Exit
3
Please Enter the amount You require
1
Your Current Balance is 2137.0
```

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```
Welcome pavan
Functionalities
1.Balance Enquiry
2.Deposit Money
3.Cash Withdrawal
4.Last Three Transactions
5.All Transaction Till Now
6.Change Credentials
7.Exit
3
Please Enter the amount You require
1
Your Current Balance is 2136.0
```

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```
Welcome pavan
Functionalities
1.Balance Enquiry
2.Deposit Money
3.Cash Withdrawal
4.Last Three Transactions
5.All Transaction Till Now
6.Change Credentials
7.Exit
3
Please Enter the amount You require
1
Your Current Balance is 2135.0
```

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Making some small transactions to show in mini statement

```
4.Last Three Transactions
5.All Transaction Till Now
6.Change Credentials
7.Exit
4 → For printing last three transactions
Your last 3 transactions are :
Debited by Amount      :1
Debited by Amount      :1
Debited by Amount      :1
Balance                 :2135.0
```

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```
5.All Transaction Till Now
6.Change Credentials
7.Exit
5 → For printing all transactions made by the user
Credited by Amount      :500
Credited by Amount      :2638.0
Debited by Amount       :1000
Debited by Amount       :1
Debited by Amount       :1
Debited by Amount       :1
```

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## Changing the credentials for the user

```
6.Change Credentials          16
7.Exit
6
Please Re-Enter the old PassWord
12345
Please Select the Data You want to Modify
1.Name
2.Phone No.
3.Password
4.Exit
1
Please Enter Your Full name
pavan
```

Changing name for the user in our database

```
Please Select the Data You want to Modify
1.Name
2.Phone No.          17
3.Password
4.Exit
2
Please Enter your Phone No without +91
9899999999
```

Changing the Phone No of user

```
Please Select the Data You want to Modify
1.Name
2.Phone No.          18
3.Password
4.Exit
3
Please Enter Your new password
123456
```

Changing the password for the user account

Trying our new  
changed password

```
Welcome !!!
1.Create Account          19
2.Existing User
3.Admin
2
Please Enter Your 5 digit Account Number
10001
Please Enter Your Password
123456
Welcome pavan
Functionalities
1.Balance Enquiry
2.Deposit Money
3.Cash Withdrawal
4.Last Three Transactions
5.All Transaction Till Now
6.Change Credentials
7.Exit
```



## Other features in ATM

```
Welcome !!!
1.Create Account
2.Existing User
3.Admin
qwertyui                                     20
Please Enter in Right Format
Welcome !!!
1.Create Account
2.Existing User
3.Admin
2
Please Enter Your 5 digit Account Number
100000
We cant Find Your Account No in our DataBase...please Try again
Welcome !!!
1.Create Account
2.Existing User
3.Admin
```

- 1) It warns the user to print in right format if user enters incorrect format(string in place of a int...etc)
- 2) If account isn't made it prints account isn't available in our database
- 3) It also prints money isn't available in atm if money in atm depreciates

```
Welcome defb
Functionalities                               21
1.Balance Enquiry
2.Deposit Money
3.Cash Withdrawal
4.Last Three Transactions
5.All Transaction Till Now
6.Change Credentials
7.Exit
3
Please Enter the amount You require
40000000
Money isnt available in ATM !!!
Please Enter Some good Combination
Your Current Balance is 5.0E8
```