

## Bank Transactions with ATM PIN Generation

You need to write a main class which includes a set of methods/classes which are doing the following Bank Transactions using Collections.

**Administrator** is authorized to:

### 1. Adding a New Customer

- ✓ Account No – (AutoGenerate 9 digits)
- ✓ Customer Name
- ✓ Account Type (Savings/Current)
- ✓ Balance
- ✓ Minimum Balance
- ✓ Mobile Number
- ✓ Email Id
- ✓ ATM Pin (Autogenerate 4 digits)

### 2. Updating Customer Details

- ✓ Account No
- ✓ Mobile Number (ask for new mobile number)
- ✓ Email Id (ask for new email id)

### 3. Deleting a Customer

- ✓ Ask for Account number to delete a Customer

### 4. Display the list of all Customers in the Bank

- ✓ Just show all customer details

### 5. Display Customer Details of a specific Customer

- ✓ Ask for Account number to display the Customer details
- ✓ If user enters any account number which is not there in our Bank we have to show “**Account number not found..!!!**”

**Customer** is authorized to :

**1. Depositing Money into Customer Account**

- ✓ If Amount is greater than 50k then ask the customer to enter his/her PAN Card number

**2. Withdraw Money from Customer Account**

- ✓ First calculate Available Balance (difference of balance and min balance)  
e.g. balance is 7k min bal is 1k then available balance is 6k
- ✓ If withdrawal amount is greater than available balance then show error Message as “**Insufficient funds..!!!**”.
- ✓ If Amount is greater than 50k then ask the customer to enter his/her PAN Card number

**3. Show Balance of a Customer**

- ✓ Ask for Account number to display Customer details
- ✓

**4. Transferring Money from One Account to Another account**

- ✓ Ask for to Account number and amount to transfer
- ✓ After successful transaction show message  
“ **Transferred Amount Successfully**”

### **Evaluation Criteria:**

1. Understanding the requirement

- Evaluation will be made on all the below aspects to see how the user has understood the requirement.
- Evaluation is made on how the User Experience is ensured and how the user has implemented technologies.
- All necessary validations should be integrated

### **Validations:**

- ☐ Account Number should be a 9 digit number which accepts only digits
- ☐ Mobile Number should be a 10 digit number which accepts only digits
- ☐ Customer Name should not be more than 30 characters
- ☐ Balance amount should be numeric only.

2. Use Exception Handling

3. Must follow proper Coding Standards, Indentations, Naming conventions and Comments

4. Completed solution should be uploaded into the GitHub and collaborate with trainer.

### **Note\***

Pass Mark: **70%**

- If it's found that candidates are sharing the same code, both the candidates will be disqualified based on the recommendation of the trainer.