MON KEY PVT LTD is a newly launched bank with a single branch. They plan to expand nationwide next year. However, in the meantime, they need a simple banking software to help them run the single branch. The facilities offered by the bank are Savings Account.

Only one employee from our branch will login to the secure branch computer using windows login/password. So, we don't need to ask username/password in the MON KEY Banking Solution.

Below is the requirement specs of the MON KEY Banking Solution

Requirements - MON KEY Banking Solution

Data Requirement

1. Customer List

CustomerCode
Name
Address1
Address2
City Country
Mobile
Pan Number
Email
DateOfBirth
SavingsAccount[] savingsAccounts

2. SavingsAccount

AccountNumber
Balance
Date
Time
Transaction[] transactions

3. Transaction

Date
Time
Amount
Type (Deposit or Withdrawal)

User Interface Requirement

1. Screen 0

```
= Main Menu =================
|                           |
|  1.New Customer           |
|  2.New Savings Account    |
|  3.Transactions           |
|  4.List Customer/Accounts |
|  5.Account Statement      |
|  6.Exit                   |
|                           |
============================
```

2. Screen 1

```
= New Customer =================
|                               |
|  Code: _____          |
|  Name: _____          |
|  Address1: _____      |
|  Address2: _____      |
|  City: _____          |
|  Country: _____        |
|  Mobile: _____         |
|  Pan Number: _____    |
|  Email: _____         |
|  DateOfBirth: _____   |
|                               |
|      [(S)ave] [(C)ancel]      |
===============================
```

3. Screen 2

```
= New Savings Account =============
|                                 |
|  Customer Code: _____   |
|  Account Number: _____  |
|  Date: _____            |
|  Time: _____             |
|  Opening Balance: _____ |
|                                 |
|      [(S)ave] [(C)ancel]        |
==================================
```

4. Screen 3

```
= New Transaction =================
|                                 |
|  Account Number: _____  |
|  Date: _____            |
|  Time: _____            |
|  Amount: _____           |
|  Type: _____              |
|        (w)ithdraw /(d)eposit    |
|                                 |
|        [(S)ave] [(C)ancel]      |
==================================
```

5. Screen 4

```
= List Customer/Accounts=====================================================
| Code  | Name      | City | Mobile | Email      | Pan     | Date Of Birth |
|============================================================================|
| A101  | AAA       | BBB  | 999    | aa@aa.com  | aaaa    | 17-Nov-2018   |
|       ------------------------------------------------                     |
|       >>    Account     Balance   Date          Time  <<                   |
|       ------------------------------------------------                     |
|       >>    10110       1000      18-Nov-2020   14:00 <<                   |
|       >>    10112       2000      22-Feb-2021   10:30 <<                   |
|============================================================================|
| A102  | bbb       | ccc  | 888    | bb@bb.com  | aaaa    | 17-Nov-2018   |
|       ------------------------------------------------                     |
|       >>    ** No Accounts Found **                    <<                  |
|============================================================================|
| A103  | ccc       | ddd  | 777    | cc@cc.com  | bbbb    | 02-Jan-2001   |
|       ------------------------------------------------                     |
|       >>    Account     Balance   Date          Time  <<                   |
|       ------------------------------------------------                     |
|       >>    10110       1000      18-Nov-2020   11:01 <<                   |
|       >>    10112       2000      22-Feb-2021   12:23 <<                   |
==============================================================================
```

6. Screen 5

```
= Account Statement =========================
|                                           |
|  Enter Account Number: _____  |
|                                           |
|===========================================|
| Date         | Time  | Credit  | Debit    |
|===========================================|
| 10-Aug-2021  | 10:13 |   5,000 |          |
| 15-Aug-2021  | 10:13 |   2,000 |          |
| 22-Aug-2021  | 10:13 |         | 1,00,000 |
| 31-Aug-2021  | 10:13 |   2,000 |          |
| 10-Sep-2021  | 10:13 |     500 |          |
| 22-Aug-2021  | 10:13 |         |   25,000 |
|===========================================|
| Total        |       |   9,500 | 1,25,000 |
=============================================
```