South-Eastern Bank Corporation

1. My program will be a bank which will allow users to make transactions according to their needs for example, withdrawing money up to a certain limit, buy products on account (credit), deposing money into their accounts. There will be interest rates on credit accounts and maybe compounded monthly interest rates for debit accounts.

2.

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| **Consumer** | **Administrator** |
| Make transactions | Create/Delete/Edit consumers |
| Request a new account (Debit/Credit) | Put limits on accounts |
| Move money around | Create new account |
| Pay interest rates | Determine how much interest consumer needs to pay bank |
| Request loans | Allow/ Deny loan requests |

3. The data will be stored in a several lists as account #, pin #, name, accounts, balance and transactions. The transactions list will also include dates and times for each transaction.

4. The information will be in an xml file, with one data per line. There will be special information at the top of the file before the consumer information will start.

5. The data will be maintained throughout the program through dictionaries which will combine key (name) and values (account #, pin, accounts, balance and transactions) and will be sorted by name

6. The search will be extremely important in this program because it will gather information from an xml file, it will then search if the user already occurs in the database, or if it is a wrong account #, and it will search if the user is an admin or a consumer. Basically the search function will be used throughout the program.

7. Sorting will be important in the program. The only time, I see myself using this function will probably be when I’m sorting the data according to the name.

8. Admin functions, consumer functions, current time functions, searching functions, sorting functions, displaying functions, calculating functions, probably have a contest function if there is time.