Problem: ATM++

Create a program that mimics how an ATM works, with a twist! The program must have the following features in its menu:

- Inquiry. Displays the current balance of the account.

- Withdraw. Withdraw amount from the account.

- Deposit. Deposit amount to the account.

- Change Pin. Updates the personal identification number of the account.

- Load Mobile. Buys a mobile prepaid load and transfers it into a mobile number.

- Fund Transfer. Transfers amount to another account.

- Verify Transfer. Allows the user to view the account information of the user he/she transferred a fund to.

- Exit. Terminates the execution of the program.

Depositor's data contains the following *(you may add other fields if you think they are vital)*:

- Account Number. Depositor's account number.

- Last Name. Depositor's surname.

- First Name. Depositor's given name.

- Middle Name. Depositor's middle name. Mother's maiden surname.

- Contact. Depositor's mobile number.

- Balance. Current running balance of the account.

- PIN. Depositor's personal identification number

Some things to note:

- You can only withdraw/transfer a specific amount if and only if the current balance is greater than or equal to the desired withdrawal amount.

- You can only transfer funds to an existing account.

- You can only reload an existing phone number.

As to how things will work upon program execution error handling, exceptions, constraints, and the like, I will leave it to you. Be creative. Impress me! :)

Rubrics:

Group:			
Criteria	**Weights**	**Score**	**Weighted Score**
1. Correctness of Implementation	0.35		
2. Compliance to Specifications	0.25		
3. Code Novelty	0.10		
4. Question & Answer	0.15		
5. Code Reconstruction	0.10		
6. Presentation/Demonstration	0.05		
		Total	

Deadline of submission will be on **March 23, 11:55PM**. If you submit earlier, the better.

What to submit:

1. The Source (CPP) file
2. Documentation of the program (in PDF). Contents include, but not limited to, the following:

- Problem Definition: problem context, objectives, scope, limitations
- Algorithm Definition. This is your program flow. Use flowchart.
- Code Discussion. Explain user-defined functions, algorithms used, or any line or block that needs further discussion/clarification.
- Sample run (screen capture).

*Oral defense schedule will be announced/posted soon.