Banking App Pt.1 Due Tuesday, December 11th, 9am

Description:

Leveraging Java 8, create an application that simulates simple banking transactions

Requirements:

- Build the application using Java 8
- All interaction with the user should be done through the console using the Scanner class
- Customers of the bank should be able to register with a username and password, and apply to open an account.
  - Customers should be able to apply for joint accounts
- Once the account is open, customers should be able to withdraw, deposit, and transfer funds between accounts
  - All basic validation should be done, such as trying to input negative amounts, overdrawing from accounts etc.
- Employees of the bank should be able to view all of their customers information
  - This includes, account information
  - Account balances
  - Personal information
- Employees should be able to approve/deny open applications for accounts
- Bank admins should be able to view and edit all accounts
  - This includes:
  - Approving/denying accounts
  - withdrawing, depositing, transferring from all accounts
  - canceling accounts
- All information should be persisted using text files and serialization
- 100% test coverage is expected using J-Unit
  - You should be using TDD
- Logging should be accomplished using Log4J
  - All transactions should be logged

What is highlighted is encouraged but not required.