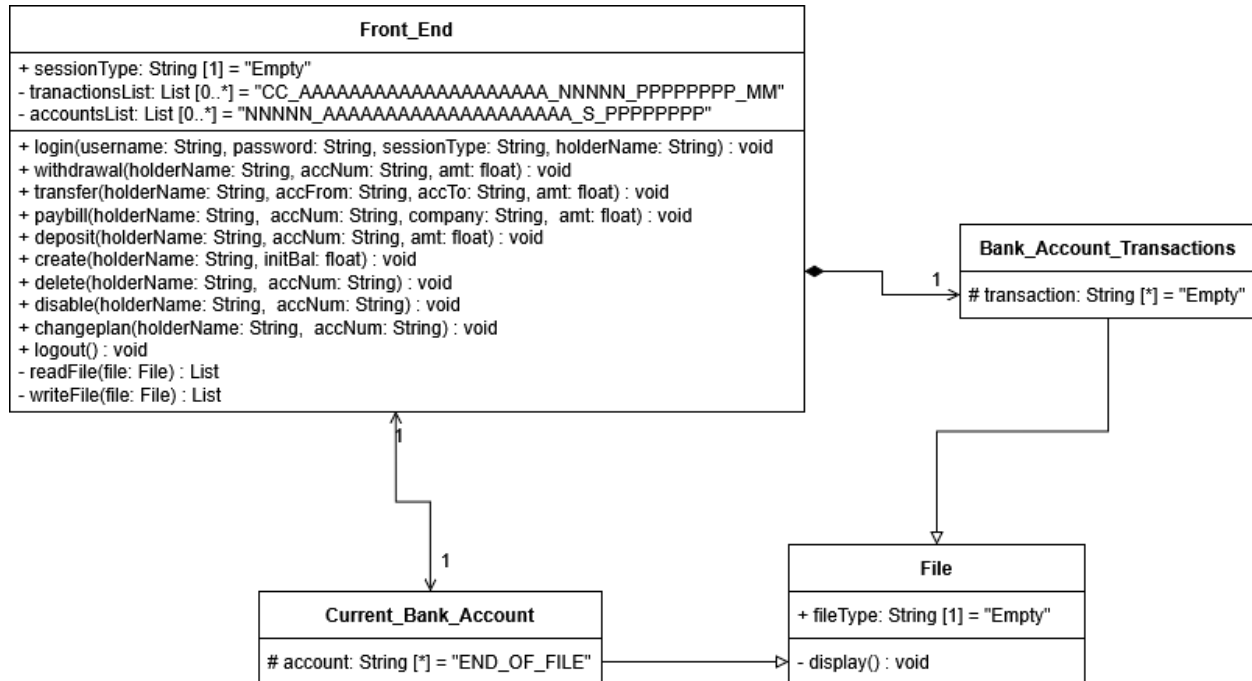# Bank System Design Document

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UML Diagram:

Intentions:

Classes:

Front End	Processes user input and gives output in the form of lines of text and handles the reading and writing of the Current Bank Accounts and Bank Account Transaction files.
File	Parent class for different file types to share variables and methods.
Bank_Account_Transactions	File that contains the list of transactions, to be written out at the end of a session in the required format.
Current_Bank_Account	File that contains the list of the accounts currently within the bank system in the required format

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Methods:

login	Starts a front end session of the bank account system.
withdrawal	Withdraws money from the specified bank account.
transfer	Transfers a specified amount of money from one account to another.
paybill	Transfers a specified amount of money from one account to one of the accepted companies required by the client.
deposit	Deposits a specified amount of money into the specified account.
create	Creates an account under the given holder's name with a specified initial balance and adds it to the current accounts file.
delete	Removes an account of the given holder's name and account number and removes it from the current accounts file.
disable	Sets a given account's status to disabled and updates its status in the current accounts file.
changeplan	Changes the given account's payment plan from student to non-student and updates it in the current accounts file.
logout	Ends a front end session of the bank account system, writing out a list of the handled transactions to the bank account transactions file.
readfile	Reads the given file into the system.
writefile	Writes to the given file to update information in the file or to save the list of transactions of a single session on logout.
display	Displays the contents of the given file.