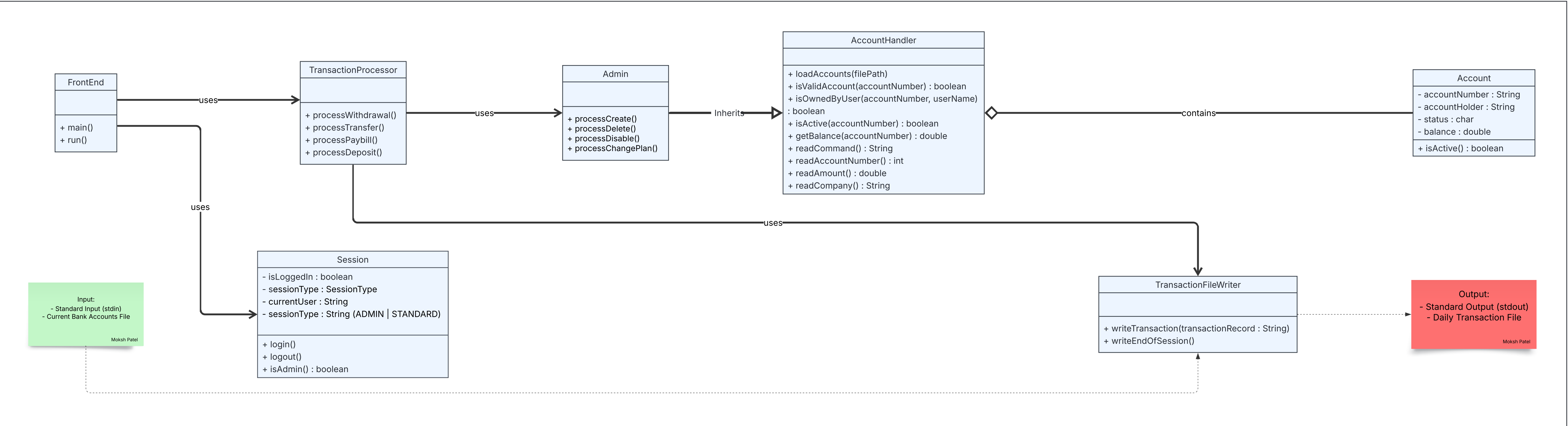


UML Bankify — High-level Architecture



Class	Description
FrontEnd	Coordinates overall program execution, prompting/printing to the console, and delegating commands to the appropriate components.
Session	Tracks whether a user is logged in, which session type is active (STANDARD/ADMIN), and who the current user is.
TransactionProcessor	Applies front-end business rules for each transaction type and generates the corresponding transaction records to be written to the transaction file.
AccountHandler	Loads the Current Bank Accounts file into memory and provides lookup/validation utilities (exists, ownership, status, balance) for transactions.
TransactionFileWriter	Writes formatted transaction records to the Daily Transaction File and appends the end-of-session record on logout.
Account	Represents a single bank account record (number, holder name, status, balance) and provides helper checks like whether the account is active.
Admin	Power to create, disable, delete, and change plan of accounts

UML Bankify Table Methods & Small Descriptions

Class   Method   Description Moksh Patel	FrontEnd   main()   Launches application. Moksh Patel	FrontEnd   run()   Executes main loop. Moksh Patel	Session   login()   Authenticates user. Moksh Patel	Session   logout()   Ends session. Moksh Patel	Session   isAdmin()   Checks admin status. Moksh Patel
AccountHandler   readCommand()   Gets user input. Moksh Patel	AccountHandler   readAccountNumber()   Validates account number. Moksh Patel	AccountHandler   readAmount()   Parses transaction amount. Moksh Patel	AccountHandler   readCompany()   Identifies company name. Moksh Patel	TransactionProcessor   processWithdrawal()   Handles fund withdrawal. Moksh Patel	TransactionProcessor   processTransfer()   Manages account transfer. Moksh Patel
TransactionProcessor   processPaybill()   Processes bill payment. Moksh Patel	TransactionProcessor   processDeposit()   Records deposit. Moksh Patel	Admin   processCreate()   Initiates account creation. Moksh Patel	Admin   processDelete()   Deletes account. Moksh Patel	Admin   processDisable()   Disables account. Moksh Patel	Admin   processChangePlan()   Modifies account plan. Moksh Patel
AccountHandler   loadAccounts(filePath)   Loads account data. Moksh Patel	AccountHandler   isValidAccount(accountNumber)   Checks account validity. Moksh Patel	AccountHandler   isOwnedByUser(accountNumber, userName)   Verifies ownership. Moksh Patel	AccountHandler   isActive(accountNumber)   Confirms account status. Moksh Patel	AccountHandler   getBalance(accountNumber)   Retrieves balance. Moksh Patel	TransactionFileWriter   writeTransaction(transaction)   Logs transaction. Moksh Patel
TransactionFileWriter   writeEndOfSession()   Marks session end. Moksh Patel	Account   isActive()   Checks if active. Moksh Patel				