

# Design Document

Class	Method	Description
Session	deposit_withdraw	This function verifies and performs deposits and withdraws. Since they are both extremely similar with similar constraints, we put them into one method that takes DEP or WDR as an argument.
	check_daily	A helper function that checks the transaction list from everything completed within the day and verifies the current transaction doesn't surpass the limit.
	transfer	Intends to verify account numbers, daily limit, as well as verify the displayed transaction data before transferring money from one account to the next.
	createAccount	The goal of this method is to create a new valid account to be used in the bank system. Initially it asks for the user to input the new account number to be used and checks it with the restrictions placed on account numbers. If it successfully passes all tests, it then asks the user to input a desired account name. The inputted account name is then check against the criteria for account names. If both a valid account number and account name are entered, a new account is created by adding the account number to the list of valid accounts.
	deleteAccount	The goal of this method is to remove a desired account from the account list and prevent any more actions being performed on it. The method asks the user to input desired account number, checks to see if

		number matches a preexisting account, then asks for the account name, then removes it from the account list if valid.
Global	login	Creates a Session class object and takes an input of either "machine" or "agent" to determine the session type. It then reads the accounts into an array from a valid accounts list file
	logout	Ends the session and creates a transaction summary file using the timestamp as its name and writes all the transactions from the transactions array to the file.