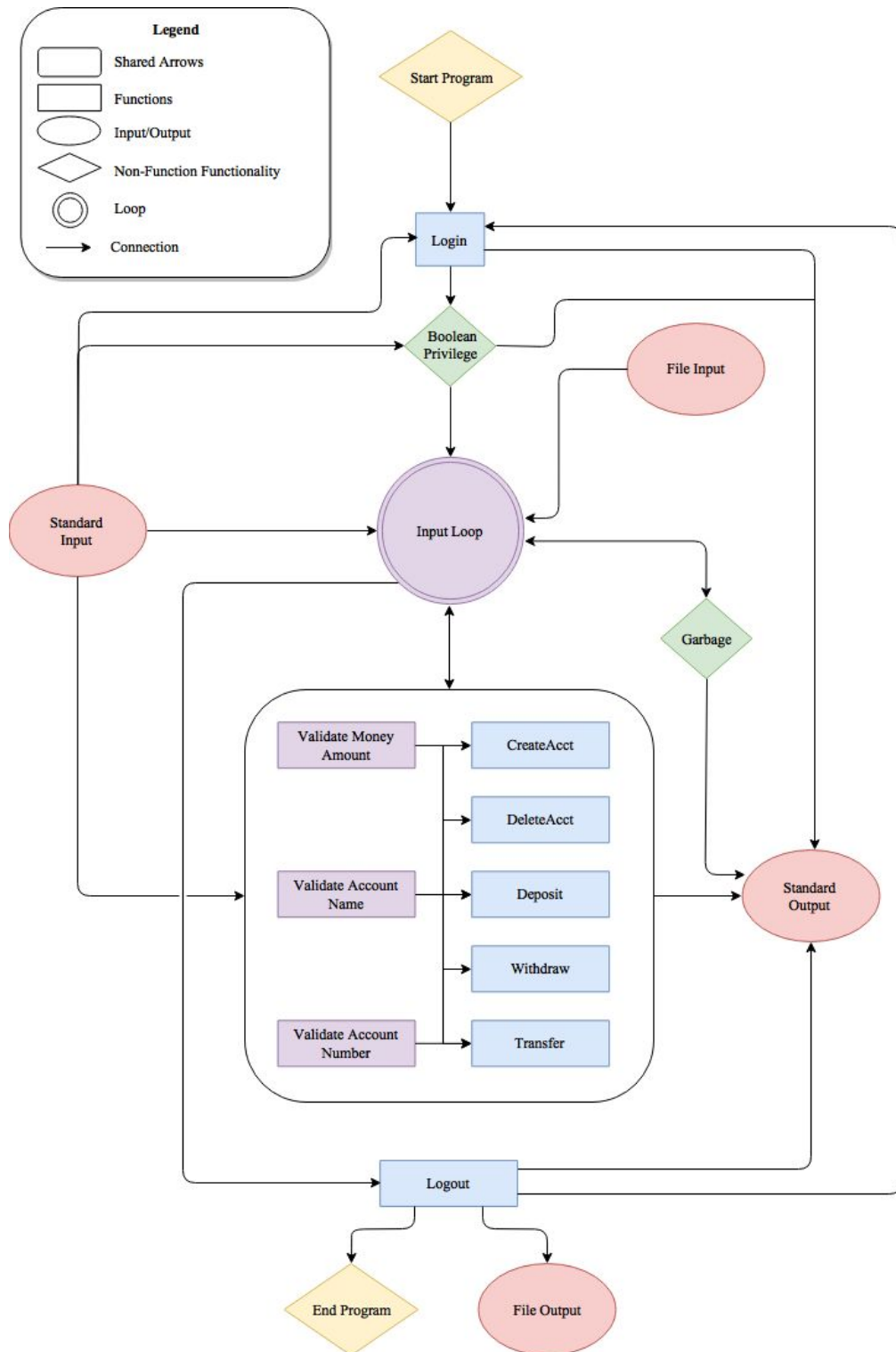


## 327 Assignment 2 Diagram Report



The above diagram shows the flow of information in our program.

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**Main Functionality:** This is the main class that holds everything.

**Command Functionality:** Includes createAcct, deposit, withdraw, etc. This class for organizing main functionality described in requirements. Functions in this box return a string representing a transaction.

**Login Functionality:** Includes Login functionality and privilege assigning. This part is for logging in.

**Input Loop:** Function that loops through and directs user to command functionality or logout and checks garbage. Keeps track of a list of transactions returned from command functionality.

**Validate Account Number:** Function that validates an entered account number.

**Validate Money Amount:** Function that validates an entered money amount.

**Garbage:** Identifier for improper input that the user has entered.

**Boolean Privilege:** Boolean passed through Input Loop and Command Functionality to identify mode (machine or agent) and privileges.

**File Input:** Inputs valid accounts file.

**File Output:** Outputs transaction summary file.

**Standard Input/Output:** Input and output to/from the command line.

**Login:** Function for logging in that directs to Input Loop and sets Privilege boolean.

**CreateAcct:** Function for creating account. Returns a string with the transaction that took place.

**DeleteAcct:** Function for deleting account. Returns a string with the transaction that took place.

**Deposit:** Function for depositing money into an account. Returns a string with the transaction that took place.

**Withdraw:** Function for withdrawing money from an account. Returns a string with the transaction that took place.

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**Transfer:** Function for transferring money between two accounts. Returns a string with the transaction that took place.

**Logout:** Function for logging out. Takes a list of all transactions that took place and writes them to a file.

**End/Start Program:** Denotes the state of starting and ending the program from the command line.