

Assignment II

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1 Analyzing the Problem

1.1 Inputs

String input in the following format:

Customer-ID# transaction-type [amount] account-type [account-type2]

Possible Customer ID#: Any Number between 0 to 9

Transaction-Type: "DWITG" :Deposit, Withdraw, Interest, Transfer, Get

Amount: Non-negative Decimal Double Value of Amount

Account Type: "CSLA": Checking, Savings, Loans, Auto

Account Type 2: "CSLA": Checking, Savings, Loans, Auto (Only used in Transfer)

1.2 Processing Solution

Analyzes String Command with the following rules:

- 1) Determine Customer ID
- 2) Determine Command Action
- 3) Determine which Account to execute Transaction

1.3 Outputs

Summary of customer balances

2 Assumptions

2.1 Inputs

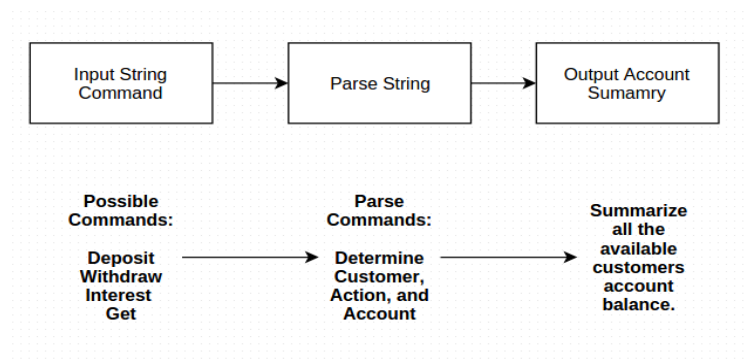
1) Inputs must follow the format:

Customer-ID# transaction-type [amount] account-type [account-type2]

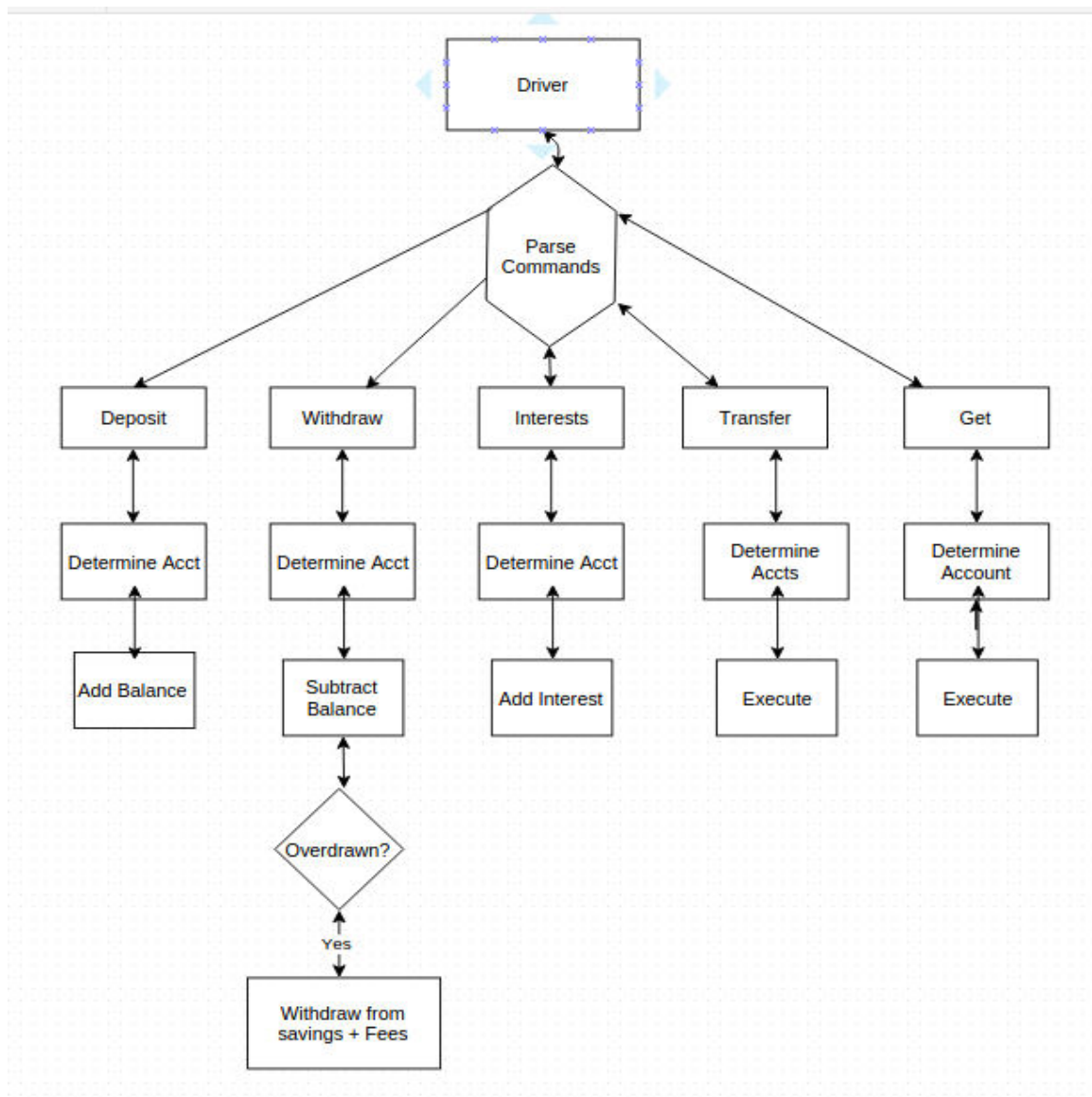
2) *Customer ID is a single digit*

3) *Amount is a double number*

3 Input Output Diagram



4 Flowchart



5 Functional Block Diagram

