**ATM Machine Document**

**Functionalities**

* Create an ATM Account (Account Number, Pin, First Name, Last Name, Balance)
* Display all Accounts
* Account Options
  + Check Balance
  + Make Withdrawal
  + Make Deposit

**Data Structure­­**

* Doubly Linked List

**File Structure**

* Account Number
* Pin
* Account Name
* Balance

**C Files**

* header.h – contains struct declarations and all function prototypes
* io.c – contains functions regarding input
  + inputNumberGetch();
  + inputNumberMaxDigits(int digits);
  + inputNumberMaxValue(int digits);
  + inputString();
  + inputPin();
* list.c – contains the functions for the linked list
  + void addAccount(List\* list, Account a);
  + void deleteAccount(List\* list, int i);
  + int getSize(List\* list);
  + Account getAccount(List\* list, int i);
  + void withdraw(Account\* a, double amount);
  + void deposit(Account\* a, double amount);
  + Account \* searchAccount(List\* list, int account, int pin);
  + void readFile(List\* list,char\* fileName);
  + void writeFile(List\* list, char\* fileName);
  + Account\* newAccount();
* main.c – contains the menu and an instance of the List