```cpp
#include <iostream> //includes I/O
#include <iomanip> //includes manipulating the I/O
#include <string> //include working with strings
#include <vector> //includes dynamic array functionalities
using namespace std;

struct AutoTellerMachine
// to represent each customer who uses the ATM program

{
    void CreateNewAccount(string newUsername, string newPassword);
      //creates the user account
    void AccountLogin(string loginUsername, string loginPassword);
      //used to login the user using account details
    void DepositMoney(double depositAmount);
      //func to deposit any amount of money to the account
    void WithdrawMoney(double withdrawalAmount);
      //func to withdraw any amount of money from the account
    void SetAccountLogin(int setAccountLocation);
      //sets the location for the account information in the vector
    void SetLastMoneyMovement(int accountID, double amount);
      //sets what the last action was for that account (dep or withdr)
    void SetBeginningBalance(int accountID);
          //Func that ensures the users account starts as 0 as well as
that it updates when performing withdrawal or deposit
    void SetLastOperation(int accountID, char userInput);
      //defines last action made by user
    void AccountMenu();
      //representing the menu of user choices
    int GetAccountLogin() const;
      //makes sure the account login is in the list
    double GetLastMoneyMovement(int accountID) const;
      //gets the information on most recently performed transaction
    double GetAccountBalance(int accountID) const;
      //shows the users account balance
    double GetBeginningBalance(int accountID) const;
      //retrieves the balance before last performed action
    char GetLastOperation(int accountID) const;
      //gets the last action, ex withdrawal or deposit
```

```cpp
    string GetUsername(int accountID) const;
      //gets the username of the logged in account



    int loggedInAccountLocation;
    double accountBalance;
    double beginningBalance;
    double lastMoneyMovement;
    char lastOperation;
    string username;
    string password;
};
```