```cpp
#include <iostream>
#include <fstream>
#include <string>
using namespace std;

class BankAccount {
private:
    double balance;

public:
    BankAccount() {
        balance = 0.00;
    }

    void deposit(double cash) {
        balance += cash;
cout << "Cash Before Spending was " << balance << endl;
        saveTransaction("Deposit", cash);
    }

    void makePurchase(string item, double cost) {
        if (cost > balance) {
            cout << "Insufficient funds for " << item << endl;
        } else {
            balance -= cost;
        cout << "Purchased: " << item << " " << cost << endl;
            saveTransaction("Purchase - " + item, cost);
        }
    }

    void displayBalance() {
        cout << "\nCurrent amount: $" << balance << endl;
    }

    void saveTransaction(string type, double cash) {
        ofstream file("transactions.txt", ios::app); //each action (deposit and purchase) is written to transaction.txt
        if (file.is_open()) {
            file << type << ": $" << cash << endl;
            file.close();
        }
    }
};

int main() {
    BankAccount myAccount; //BankAccount object
    cout << "_____Bank Balance History_____ \n";

    cout << "\n" << endl;
    myAccount.deposit(793.21);
    cout << "\n" << endl;

    myAccount.makePurchase("Toy Truck", 9.99);
    myAccount.makePurchase("Fish Food", 15.00);
    myAccount.makePurchase("Lighter", 0.90);
    myAccount.makePurchase("Mittens", 12.50);

    myAccount.displayBalance(); //Prints final balance.

    return 0;
}
```

Input/Output

Build beautiful web apps with JDoodle.ai

Language version: c++ 17 GCC (G++) ☑ Interactive Mode

Input arguments

Output | Generated files

```
_____Bank Balance History_____

Cash Before Spending was 793.21

Purchased: Toy Truck 9.99
Purchased: Fish Food 15
Purchased: Lighter 0.9
Purchased: Mittens 12.5

Current amount: $754.82
```

● Compiled and executed in 1.391 sec(s)