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// Name: James Small
// Program: 3B
// Class: CSE455
// Description: Program to input, output, or modify a file.

#include <iostream>
#include <string>
#include <stdlib.h> // for atoi
#include <ctype.h> // for isdigit
#include "Input.h"

using namespace std;

int main()
{
    char choice = 0;
    bool choiceGood = false;

    do {
        cout << "What would you like to do?\n";
        cout << "Enter 1 to read from file.\n";
        cout << "Enter 2 to write to file.\n";
        cout << "Enter 3 to modify a file.\n";
        cout << "Enter 0 to quit.\n";
        cout << "Choice: ";

        cin >> choice;

        if (isdigit(choice)) {
            if (atoi(&choice) >= 0 && atoi(&choice) < 4)
                choiceGood = true;
            else
                cout << "\nInvalid Choice, Try again\n\n";
        } else
            cout << "\nInvalid Choice, Try again\n\n";

        cin.ignore(INT_MAX, '\n');
    } while (!choiceGood);

    if (choice != '0') {
        string file;

        cout << "Enter the file name to access: ";
        cin >> file;

        Input input(file);

        if (choice == '1')
            input.readFromFile();
        else if (choice == '2')
            input.writeToFile();
        else if (choice == '3')
            input.modifyFile();
    }
}
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    return 0;  
}
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