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assignment7th
#include <iostream>
using namespace std;

class Website{
public:
    string s1[10], s2[10];
    int top1 = -1, top2 = -1;
    void push(string x);
    void pop();
    void navigate();
    void display();
    void current();
    void check();
};

void Website::push(string x){
    if(top1 < 10){
        top1++;
        s1[top1] = x;
        cout << "Successfully Added !\n" << endl;
    }
    else{
        cout << "Null" << endl;
    }
}

void Website::navigate(){
    top2++;
    s2[top2] = s1[top1];
    top1--;
    cout << "Navigated back to " << s1[top1] << endl;
    cout << endl;
}

void Website::display(){
    if(top1 != -1){
        cout << "Displaying History ..." << endl;
        for(int i = 0; i < 10; i++){
            cout << s1[i] << endl;
        }
    }
    else{
        cout << "History is empty !" << endl;
    }
}
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void Website::current(){
    cout << "Your current page is '" << s1[top1] << "'" << endl;
    cout << endl;
}

void Website::check(){
    if(top1 == -1){
        if(top2 == -1){
            cout << "All history is empty (with Navigated history)\n" <<
endl;
        }
        else{
            cout << "History is empty\n" << endl;
        }
    }
    else{
        cout << "History is not empty\n" << endl;
    }
}

int main(){
    Website w; int choice; string name;
    do{
        cout << "1.Add visited page\n2.Navigate Back\n3.View current
page\n4.Check if history is empty or not\n5.Display History\n6.Exit" <<
endl;

        cout << "\nEnter choice : ";
        cin >> choice; cout << endl;
        switch(choice){
            case 1:
                cout << "Name of page : ";
                cin >> name;
                w.push(name);
                break;
            case 2:
                w.navigate();
                break;
            case 3:
                w.current();
                break;
            case 4:
                w.check();
                break;
            case 5:
                w.display();
                break;
            case 6:

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                break;
            }
        }while(choice != 6);
return 0;
}
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