**Birthdaylist.cpp**

#include <iostream>

#include <string>

#include <map>

using namespace std;

// Function prototypes

void createList();

void addBirthday();

void deleteBirthday();

void searchBirthday();

// Global variables

map<string, string> birthdayList;

int main()

{

int choice;

cout << "Welcome to Birthday List Program!" << endl;

do {

cout << "\nPlease choose an option:" << endl;

cout << "1. Create a new list" << endl;

cout << "2. Add a birthday" << endl;

cout << "3. Delete a birthday" << endl;

cout << "4. Search for a birthday" << endl;

cout << "5. Exit" << endl;

cout << "Enter your choice: ";

cin >> choice;

switch (choice)

{

case 1:

createList();

break;

case 2:

addBirthday();

break;

case 3:

deleteBirthday();

break;

case 4:

searchBirthday();

break;

case 5:

cout << "Goodbye!" << endl;

break;

default:

cout << "Invalid choice. Please try again." << endl;

}

} while (choice != 5);

return 0;

}

void createList()

{

cout << "Creating a new list..." << endl;

birthdayList.clear();

cout << "New list created." << endl;

}

void addBirthday()

{

string name, date;

cout << "Enter the person's name: ";

cin >> name;

cout << "Enter the person's birthday (MM/DD/YYYY): ";

cin >> date;

birthdayList.insert(pair<string, string>(name, date));

cout << "Birthday added." << endl;

}

void deleteBirthday()

{

string name;

cout << "Enter the person's name to delete: ";

cin >> name;

if (birthdayList.count(name) == 0)

{

cout << "No birthday found for " << name << "." << endl;

}

else

{

birthdayList.erase(name);

cout << "Birthday deleted." << endl;

}

}

void searchBirthday()

{

string name;

cout << "Enter the person's name to search: ";

cin >> name;

if (birthdayList.count(name) == 0)

{

cout << "No birthday found for " << name << "." << endl;

}

else

{

cout << "Birthday for " << name << ": " << birthdayList[name] << endl;

}

}