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#include <iostream>

#include <string>

using namespace std;

class Node {
public:
    int PRN;
    string name;
    Node* next;
    Node(int prn, string n) {
        PRN = prn;
        name = n;
        next = nullptr;
    }
};

class PinnacleClub {
private:
    Node* head;
public:
    PinnacleClub() {
        head = nullptr;
    }
    void addMember(int prn, string name) {
        Node* newNode = new Node(prn, name);
        if (head == nullptr) {
            head = newNode;
        } else {
            Node* temp = head;
            while (temp->next != nullptr) {
                temp = temp->next;
            }
            temp->next = newNode;
        }
    }
};

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void deleteMember(int prn) {
    if (head == nullptr) {
        cout << "No members to delete.\n";
        return;
    }
    if (head->PRN == prn) {
        Node* temp = head;
        head = head->next;
        delete temp;
        cout << "Member deleted.\n";
        return;
    }
    Node* temp = head;
    while (temp->next != nullptr && temp->next->PRN != prn) {
        temp = temp->next;
    }
    if (temp->next == nullptr) {
        cout << "Member not found.\n";
    } else {
        Node* delNode = temp->next;
        temp->next = temp->next->next;
        delete delNode;
        cout << "Member deleted.\n";
    }
}

void display() {
    if (head == nullptr) {
        cout << "No members in the club.\n";
        return;
    }
    Node* temp = head;
    while (temp != nullptr) {
        cout << "PRN: " << temp->PRN << ", Name: " << temp->name << endl;
        temp = temp->next;
    }
}

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    }
}

int countMembers() {
    int count = 0;
    Node* temp = head;
    while (temp != nullptr) {
        count++;
        temp = temp->next;
    }
    return count;
}

};

int main() {
    PinnacleClub club;
    int choice, prn;
    string name;
    do {
        cout << "\nMenu:\n";
        cout << "1. Add Member\n";
        cout << "2. Delete Member\n";
        cout << "3. Display Members\n";
        cout << "4. Count Members\n";
        cout << "5. Exit\n";
        cout << "Enter your choice: ";
        cin >> choice;
        switch (choice) {
            case 1:
                cout << "Enter PRN: ";
                cin >> prn;
                cout << "Enter Name: ";
                cin >> name;
                club.addMember(prn, name);
                break;
            case 2:

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        cout << "Enter PRN to delete: ";

        cin >> prn;

        club.deleteMember(prn);

        break;

    case 3:

        club.display();

        break;

    case 4:

        cout << "Total Members: " << club.countMembers() << endl;

        break;

    case 5:

        cout << "Exiting...\n";

        break;

    default:

        cout << "Invalid choice. Please try again.\n";

        break;

    }

} while (choice != 5);

return 0;

}
```