#include <iostream>

#include <string>

Using namespace std;

Struct Node {

String song;

Node\* next;

Node(const string& song) : song(song), next(nullptr) {}

};

Class CircularPlaylist {

Private:

Node\* head;

Node\* tail;

Public:

CircularPlaylist() : head(nullptr), tail(nullptr) {}

~CircularPlaylist() {

If (head == nullptr) return;

Node\* current = head;

Node\* nextNode;

Do {

nextNode = current->next;

delete current;

current = nextNode;

} while (current != head);

}

Void addSong(const string& song) {

Node\* newNode = new Node(song);

If (head == nullptr) {

Head = newNode;

Tail = newNode;

Tail->next = head;

} else {

Tail->next = newNode;

Tail = newNode;

Tail->next = head;

}

Cout << “Added ‘” << song << “’ to the playlist.” << endl;

}

Void removeSong(const string& song) {

If (head == nullptr) {

Cout << “Playlist is empty. No songs to remove.” << endl;

Return;

}

Node\* current = head;

Node\* previous = nullptr;

Do {

If (current->song == song) {

If (current == head && current == tail) {

Head = nullptr;

Tail = nullptr;

} else if (current == head) {

Head = head->next;

Tail->next = head;

} else if (current == tail) {

Tail = previous;

Tail->next = head;

} else {

Previous->next = current->next;

}

Delete current;

Cout << “Removed ‘” << song << “’ from the playlist.” << endl;

Return;

}

Previous = current;

Current = current->next;

} while (current != head);

Cout << “Song ‘” << song << “’ not found in the playlist.” << endl;

}

Void playNext() {

If (head == nullptr) {

Cout << “Playlist is empty. No songs to play.” << endl;

Return;

}

Static Node\* current = head;

Cout << “Now playing: ‘” << current->song << “’” << endl;

Current = current->next;

}

Void displayPlaylist() {

If (head == nullptr) {

Cout << “Playlist is empty.” << endl;

Return;

}

Cout << “Current Playlist:” << endl;

Node\* current = head;

Int index = 1;

Do {

Cout << index << “. “ << current->song << endl;

Current = current->next;

Index++;

} while (current != head);

}

};

Int main() {

CircularPlaylist playlist;

Playlist.addSong(“Song 1 – Atif Aslam”);

Playlist.addSong(“Song 2 – Ali Zafar”);

Playlist.addSong(“Song 3 – Arjit Singh”);

Playlist.addSong(“Song 4 – Tony Kakkar”);

Playlist.addSong(“Song 5 – Honey Singh”);

Playlist.displayPlaylist();

Playlist.playNext();

Playlist.playNext();

Playlist.removeSong(“Song 3 – Arjit Singh”);

Playlist.addSong(“Song 6 – Armaan Malik”);

Playlist.displayPlaylist();

Playlist.playNext();

Playlist.playNext();

Playlist.playNext();

Playlist.playNext();

Return 0;

}

https://1drv.ms/u/c/adbc5f71820a3d5e/EZwpG2tVRo1DtfgYPgd7hWoB-04h1qH2X1Mdxx3Bw3xR8Q