Graphical user interface, application

Description automatically generated

**Query Model**: - This means getting information from database. We avoid anonymous dataset in C#. Instead, we use strongly typed data set. This means we need a class. --- Query 1

Query 1 data set below

public class SongItem - this should be singular because we are talking of one item . All the data in query 1 are coming out.

{

Public string song {get; set;}

Public string Album {get; set;}

Public string Artist {get; set;}

Public double Length {get; set;}

Public decimal Price {get; set;} ----- Remember, money converts to decimal in C#

Public int TrackId {get; set;} ---- this is the song Id – this is hidden as it is not displayed but is required during querying behind the + button.

}

Query 2 data set below

public class PlayListItem - this should be singular because we are talking of one item

{

Pblic int {get; set;} --- checkbox is going in

Public string trackNumber {get; set;} -- Track# is coming out

Public string Song{get; set;} --- Name is coming out

Public double Length {get; set;} – Length is coming out

Public decimal Price {get; set;} ----- Reog # is going in.

Public int TrackId {get; set;} ---- this is the song Id and it is hidden behind any information coming out from the database.

}

**Command Model**

**If our transaction can be done in a single transaction or a list, we do not need a class.**

Addrack - We have only two pieces of data, we can pass the parameters(PlayListName, TrackId) as single data, so we do not need a class.

RemoveTrack – We have playListName and List<int>

MoveTrack – We have , - we need a class because we have one filed and multiple instances of data coming in.

public class ReOrgTrackItem

{

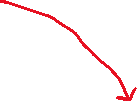
Public int trackId

Public int currentTrackNumber

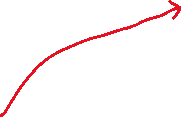
Public int reOrgTrackNumber

}

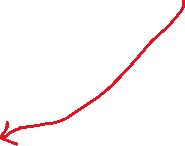
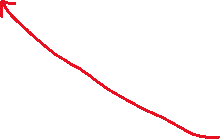
Understand the problem



error



Test solution Design a solution



Party time Code solution

Note, behind the check box, we have the trackid.