

# Title

Music Store Album Collection Using Non-Generic Collections

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## Question No : 1 / 1

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### Problem Statement

You are developing a software for a **music store**.

The store has a collection of **albums**, and each album has a **Title** and an **Artist**.

The store wants to keep track of all the albums it has and wants the ability to **add new albums dynamically**.

The program should be written within the **Program class** in the **Program.cs** file.

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### Constraints

- All classes must be public
  - All methods must be private and static
  - Use **ArrayList** to store album objects
  - Do not use generic collections
  - Input validation must be performed
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### Requirements

#### 1. Create Album Class

- Create a class named **Album**
  - Properties:
    - Title
    - Artist
-

## 2. Collection Creation

- Create an `ArrayList` to store instances of `Album`
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## 3. Input Album Details

- Prompt the user to enter:
    - Album title
    - Artist name
  - Continue accepting album details until the user enters:
  - quit
- 

## 4. Validation

- Create a method:

```
IsValidInput(string input)
```

- Validate that input is **not null or whitespace**
  - Only valid albums should be added to the collection
- 

## 5. Display Albums

- Create a method:

```
DisplayAlbums(ArrayList albums)
```

- Display album details in the following format:

Title: {Title}, Artist: {Artist}

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## Input Format

- Album title (string)
  - Artist name (string)
  - The keyword `quit` to stop entering albums
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# Output Format

Display all albums in the following format:

Title: {Title}, Artist: {Artist}

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## Test Cases

Test Case ID	Input	Expected Output
TC01	Album + Artist entered, then quit	Album displayed correctly
TC02	Multiple albums entered	All albums displayed
TC03	Empty title or artist	Album not added
TC04	quit immediately	No output

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## Sample Input 1

The Dark Side of the Moon  
Pink Floyd  
Thriller  
Michael Jackson  
Abbey Road  
The Beatles  
quit

## Sample Output 1

Title: The Dark Side of the Moon, Artist: Pink Floyd  
Title: Thriller, Artist: Michael Jackson  
Title: Abbey Road, Artist: The Beatles

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## Sample Input 2

title 1  
artist 1  
title 2  
artist 2  
quit

## Sample Output 2

Title: title 1, Artist: artist 1  
Title: title 2, Artist: artist 2

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```
class Album
{
    public string Title{get;set;}
    public string Artist{get;set;}

    public Album(string title,string artist)
    {
        Artist = artist;
        Title = title;
    }

}

using System.Collections;

class Program
{
    private static bool IsValidInput(string input)
    {
        return !string.IsNullOrWhiteSpace(input);
    }

    private static void DisplayAlbums(ArrayList albums)
    {
        foreach (Album a in albums)
        {
```

```
    Console.WriteLine("Title: {0}, Artist: {1}",a.Title,a.Artist);

}

}

static void Main()

{

    ArrayList albums = new ArrayList();

    while (true)

    {

        string title = Console.ReadLine() ?? "";

        if(title.ToLower() == "quit") break;

        string artist = Console.ReadLine() ?? "";

        if (!IsValidInput(title) || !IsValidInput(artist)) continue;

        albums.Add(new Album(title, artist));

    }

    DisplayAlbums(albums);

}

}
```