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JURNAL MODUL 6 KONSTRUKSI PERANGKAT LUNAK

✓ SayaTubeVideo. cs

```
using System;
using System.collections.Generic;

managemen moduls_331134071

{
class SayaTubeUser
{
    private int id;
    private int id;
    private Lists(sayaTubeUser)
}

public SayaTubeUser(string username)
private Lists(sayaTubeUser)
private Lists(sayaTubeUser)
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private Lists(sayaTubeUser)
private Lists(sayaTubeUser)
public SayaTubeUser(string username)

f if (string_invalid_CentryUsername)

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f if (string_invalid_CentryUsername)

make invalid_CentryUsername inva
```

✓ SayaTubeUser.cs

```
using System;
using System.Collections.Generic;
             private int id;
private string username;
private List<SayaTubeVideo> uploadedVideos;
             public SayaTubeUser(string username)
{
    if (string.IsNullOrEmpty(username) || username.Length > 100)
        throw new ArgumentException("Username tidak boleh kosong dan maksimal 100 karakter.");
                   Random random = new Random();
this.id = random.Next(10000, 99999);
                   this.username = username;
this.uploadedVideos = new List<SayaTubeVideo>();
                   if (video == null)
    throw new ArgumentNullException("Video tidak boleh null.");
                    int total = 0;
foreach (var video in uploadedVideos)
                   Console.WriteLine($"User: {username}");
Console.WriteLine("Daftar Video:");
```

```
static void Main(string[] args)
                  List<string> videoTitles = new List<string>
                       "Interstellar",
"Avengers: Endgame",
                       "The Matrix",
"Spider-Man: No Way Home",
                       "Tenet",
                  List<SayaTubeVideo> videos = new List<SayaTubeVideo>();
                  foreach (var title in videoTitles)
                       user.AddVideo(videos[i]):
                  int[] playCounts = { 4100000, 7000000, 4600000, 6200000, 5300000, 3700000, 4800000, 8300000 }; for (int i = 0; i < playCounts.Length; i++)
                       videos[i].IncreasePlayCount(playCounts[i]);
                  user.PrintAllVideoPlaycount();
                  Console.WriteLine("\nTesting IncreasePlayCount...");
SayaTubeVideo testVideo = new SayaTubeVideo("Test Video");
                  testVideo.IncreasePlayCount(11500000);
                  testVideo.PrintVideoDetails();
                  Console.WriteLine("\nTesting Overflow...");
                       testVideo.IncreasePlayCount(26000000);
                  catch (Exception ex)
                       Console.WriteLine($"Exception caught: {ex.Message}");
                  Console.ReadKey();
```