

Aufgabe 07.04.2025

Create a simple console application to manage shows for a TV broadcaster.

There are three types of shows: Series, Movie, and Documentary. All inherit from a shared base class called Show.

Requirements

1. Create a package named Models

2. Base class Show:

- Properties:
 - Title (string)
 - DurationInMinutes (int)
 - Genre (string, read-only → Getter-only)
- Constructor with default values:
Title = "Unknown", DurationInMinutes = 0, Genre = "General"
- Method virtual void ShowInfo(): prints a formatted summary of the show

3. Derived classes Series, Movie, Documentary:

- Override the ShowInfo() method and print specific output, e.g.,
"Series: Breaking Bad, 45 minutes"
- Set the genre accordingly

4. Main class Broadcaster inside a BroadcasterApp package:

- Ask the user via console:
 - **What kind of show do you want to add? (Series / Movie / Documentary)**
 - Title and duration (in minutes)
- Use exception handling (try-catch) when parsing integers
- Add the show to a list List<Show>
- After the user has entered 3 shows:
 - Loop through the list using foreach

- Call the ShowInfo() method for each

Optional Extensions (if you want to practice more):

- Let the user choose whether to add a new show or remove an existing one
- When removing:
 - Ask for the genre and desired maximum duration
 - Show available options with index numbers
 - Let the user select one to remove from the list