

YouTube Video Call Class Diagram

**Class Diagram**

* **Video**
  + **Attributes**:
    - title: string
    - author: string
    - lengthInSeconds: int
    - comments: List<Comment>
  + **Methods**:
    - GetNumberOfComments(): int
    - AddComment(comment: Comment): void
    - GetTitle(): string
    - GetAuthor(): string
    - GetLength(): int
    - GetComments(): List<Comment>
* **Comment**
  + **Attributes**:
    - commenterName: string
    - commentText: string
  + **Methods**:
    - GetCommenterName(): string
    - GetCommentText(): string

A Video contains a list of Comment objects. Each Comment is related to a Video, but they can exist independently.

Each Video manages its own comments and provides access to them.

This diagram demonstrates abstraction by focusing on the essential details and responsibilities for the Video and Comment classes, while hiding internal implementations.