

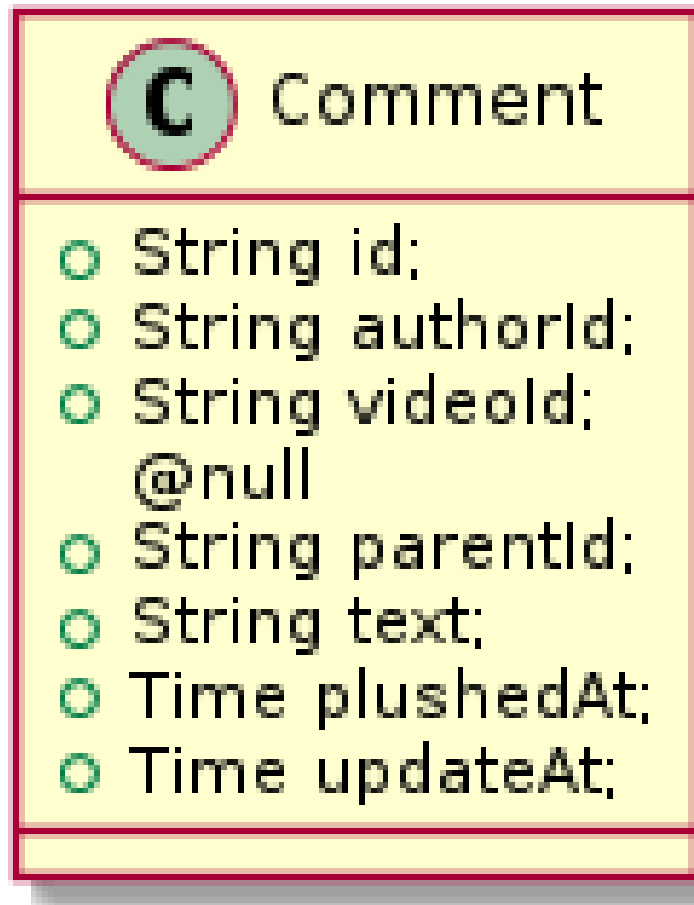
# Data Model

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## 1 Comment

### 1. Definition



## 2. Api Call

In the following snippet there is an example of API call result.

More specifically given a `parentId`, this is the result containing all the comments that replies to the comment pointed by `commentId`.

## 2 My Api

In this section we describe how to use our custom API, built around the Youtube-API, in order to extract all the significant information related to our application.

Data are required in order to build the following knowledge system.

- Comments/Replies Graph
- LikeGraph
- Subscription Graph – it might be subject to some YouTube restrictions

1. Pipeline for the Comments/Replies Graph

Below is the high-level algorithm for extracting the Comments/Replies required to build the final graph.

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**Algorithm 1:** Given a Query

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**Input:** A query Q, Number of videos to be processed N  
 Execute Query Q get first N related videos;  
**foreach** *video* **do**  
     store(video);  
     comments  
      $\leftarrow API.commentthread(video.id)$  **foreach** *comment* **do**  
         store(comment);  
     **end**  
**end**

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