

# Data and Applications - Project Report

## Team 40 - RNA

### Implemented Functional Requirements and Their Description

- <-- Modifications -->
  - 1. Insert a Comment  
Description: Inserts a new comment in the COMMENTS table.
  - 2. Edit a Comment  
Description: Edits the content of a comment in the COMMENTS table.
  - 3. Change Video Description  
Description: Edits the description of a video in the VIDEOS table.
  - 4. Change Video Tags  
Description: Edits the tags of a video in the VIDEO\_TAGS table.
  - 5. Delete a Comment  
Description: Deletes a comment in the COMMENTS table.
  - 6. Unlike a Video  
Description: Deletes an entry from the VIEWER\_LIKES\_VIDEO\_BY\_CHANNEL\_IN\_PLAYLIST table.
  - 7. Delete a Playlist  
Description: Deletes an entry from the PLAYLISTS table.
  - 8. Make a Video Private  
Description: Deletes an entry from the VIDEOS table.
- <-- Retrievals -->
  - 9. Select all channels having more than "x" subscribers.
  - 10. Select all channels which produce videos of the "x" genre (tag).  
Description: Used **JOIN** clause
  - 11. Select all channels from region "x".

- 12. Select all channels which produce videos in "x" language.
- 13. Usernames of viewers who are of age "x".  
Description: Used **JOIN** clause
- 14. Email ids of viewers who have subscribed to channel "x".
- 15. Average number of shares received by videos from channel "x".  
Description: Used **JOIN** clause
- 16. Median video duration for channel "x".  
Description: Used **JOIN** clause
- 17. Video with most shares by channel "x".  
Description: Used **JOIN** clause
- 18. Search for videos by title (auto-complete).
- 19. Search for videos by matching tags.  
Description: Used **JOIN** clause
- 20. Search for videos of channel "x" of genre (tag) "y" created in language "z"  
Description: Used **JOIN** clause