# Users

- name: users
- description: users is a table that contains all the users of the system. It is saved in the RDS database.

| Name | Type | Content | Default |
|------|------|---------|---------|
| id | BigInt | primary key | |
| username | String | username | |
| password | String | hash password | |
| created_at | Datetime | created at | |
| updated_at | Datetime | updated at | |

- indexes:
  - id: unique

# Videos

- name: videos
- description: videos is a table that contains all the videos of the system. It is saved in the RDS database.

| Name | Type | Content | Default |
|------|------|---------|---------|
| id | BigInt | primary key | |
| user_id | BigInt | user's id | |
| video_url | String | video's url is saved in S3, cloudfront | |
| public | Boolean | can view without login or not | |
| created_at | Datetime | created at | |
| updated_at | Datetime | updated at | |

# Views

- name: views
- description: views is a table that contains all the views of the system. It is saved in the RDS database.

| Name | Type | Content | Default |
|------|------|---------|---------|
| id | BigInt | primary key | |
| video_id | BigInt | video's id | |

| Name | Type | Content | Default |
|------|------|---------|---------|
| viewer_id | BigInt | viewer's id | |
| count | BigInt | view's count | 0 |
| created_at | Datetime | created at | |
| updated_at | Datetime | updated at | |

- indexes:
    - id: unique
    - video_id

- indexes:
    - id: unique

# Likes

- name: likes
- description: likes is a table that contains all the likes of the system. It is saved in the RDS database.

| Name | Type | Content | Default |
|------|------|---------|---------|
| id | BigInt | primary key | |
| comment_id | BigInt | comment's Id | |
| user_id | BigInt | user's id | |
| created_at | Datetime | created at | |
| updated_at | Datetime | updated at | |

- indexes:
    - id: unique
    - comment_id, user_id: unique

# Comments

## Base Table

- name: comments
- description: comments is a table that contains all the comments of the system. It is saved in the Dynamodb

| Name | Type | Content | Default |
|------|------|---------|---------|
| pk | String | partition key, video_id | |

| Name | Type | Content | Default |
|------|------|---------|---------|
| sk | String | sort key, config#id: comment, reply#parent_id#id: reply info | |
| content | String | content of comment | |
| id | BigInt | unique id | |
| user_id | BigInt | user's id | |
| level | Int | level of comment | |
| liked_cnt | BigInt | liked count | |
| created_at | Datetime | created at | |
| updated_at | Datetime | updated at | |

## GSI CreatedAt Table

- name: CreatedAtGSI

| Field | Type |
|-------|------|
| created_at | Partition key |
| pk | Sort Key |
| content | |
| user_id | |
| level | |
| liked_cnt | |
| id | |

- Uses Case
    - Fetch comments sort by created at

## GSI LikedCnt Table

- name: LikedCntGSI

| Field | Type |
|-------|------|
| liked_cnt | Partition key |
| pk | Sort Key |
| content | |
| user_id | |
| level | |

| Field | Type |
| --- | --- |
| created_at | |
| id | |

- Uses Case
  - Fetch comments sort by liked count