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# Youtuber Guide

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# Idea Overview

Data:

- Top trending videos on the platform (daily record)

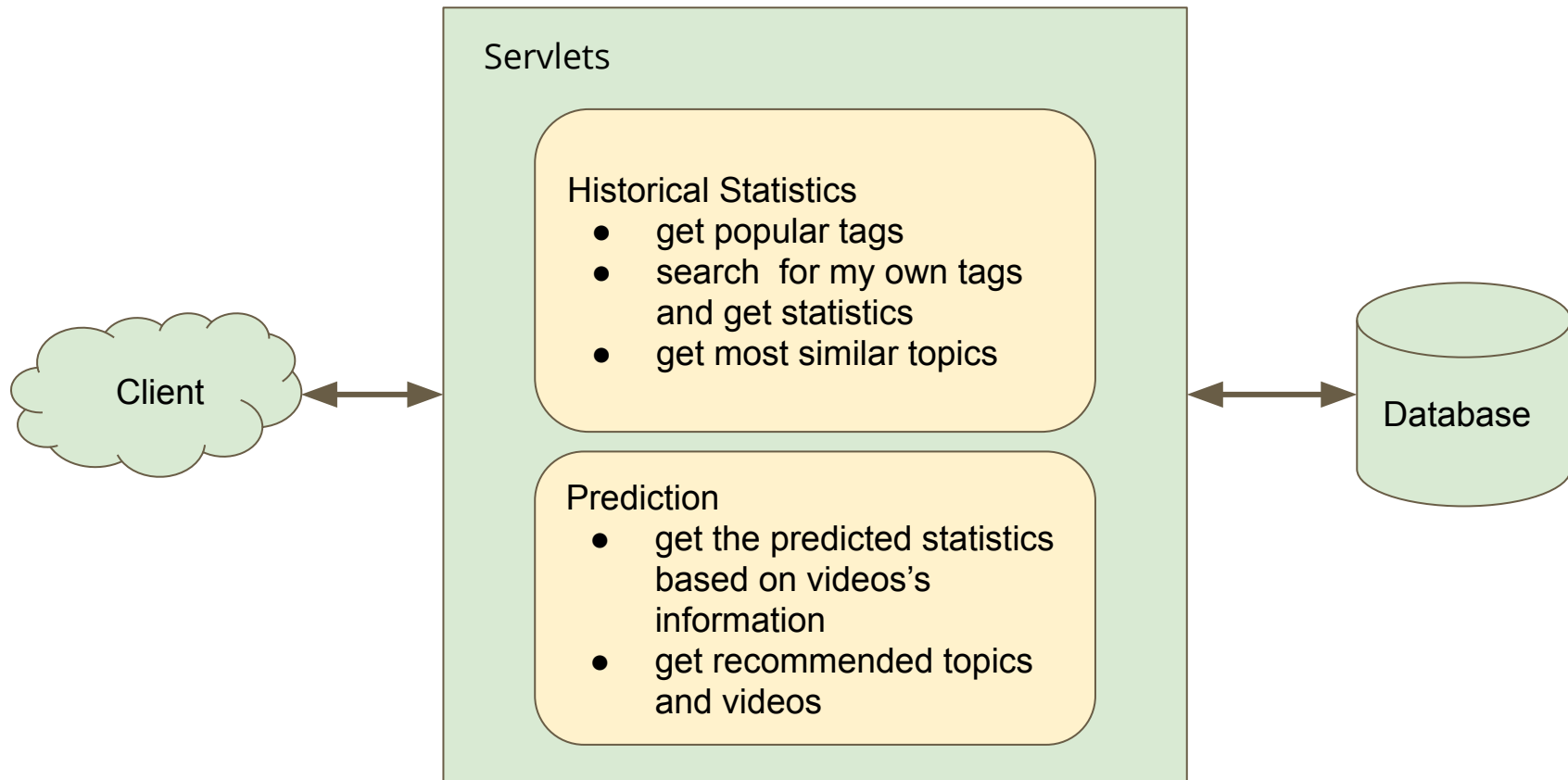
Target user:

- New youtubers' decide the topic of their next or first video.

Functionalities:

- Historical Statistics (popular tags)
- Predict (tag, title, description) how popular a video might be (views, likes, dislikes).

# Architecture



# Working

## Database:

- Videos (videoId, category, tag, title, trending date, views, description...)
- Category(categoryId, categoryName)
- Tags (tagName, views, likes, dislikes)

## API:

- Get popular tags (topics) for a time period and a region
- Search for my own tags and get statistics & related topics recommend
- Get most popular videos for one search

# Future Work

## Large scale data

- Process all data from different countries for different regions
- Store them in distributed system

## Modulars

- Historic module & Prediction module

## Front end:

- Show the map of distributed statistics for different regions
- Cache for the front-end users

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Thank you

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