

Presentation

Forecasting YouTube Video Popularity

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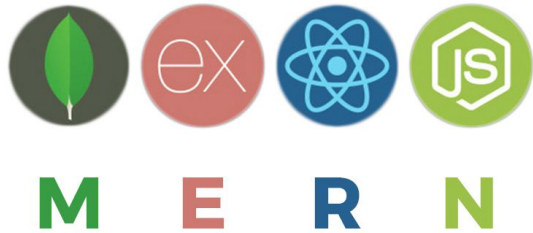
Challenge

User Story:

1. As a YouTuber, I want to brainstorm for potentially popular video ideas so that I can enhance the popularity (views) of my new uploaded video.

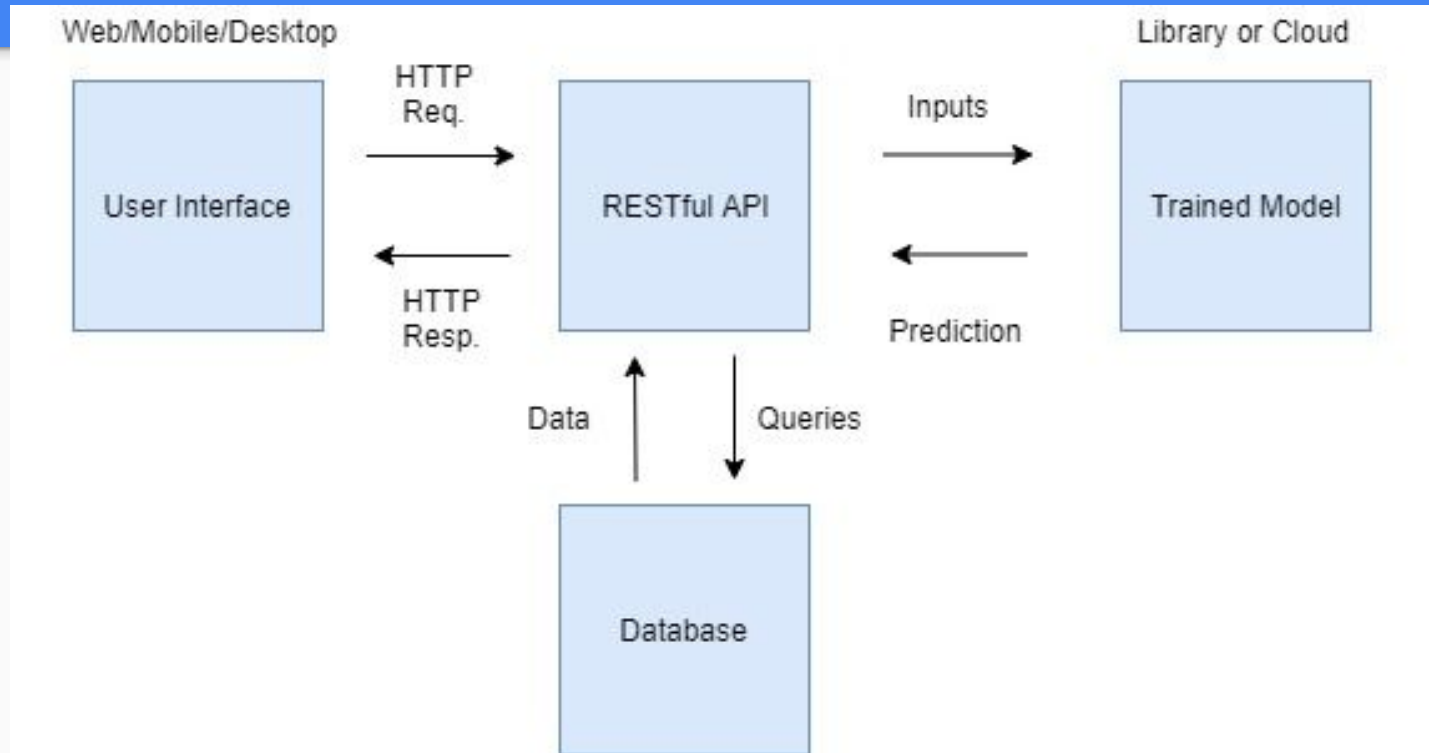
1.1 Save history data about analysis

Proposed Solution



- Modularity / Separation of Concerns
- Parallel Development
- Flexibility / Extensibility
- “Platform Independence”

Architecture



Endpoint

The screenshot displays a REST client interface with a POST request to `http://localhost:3000/insights`. The request body is a JSON object with the following fields: `"title": "Iphone 11 unboxing", "category": "tech", "tags": ["unbox", "techie"], "comments": false, "ratings": false`. The response status is `200 OK`. The response body, shown in the 'Pretty' view, is a JSON object with the following fields: `"views": 1234567, "title": "longer", "comments": "enabled", "ratings": "enabled"`.

POST `http://localhost:3000/insights`

none form-data x-www-form-urlencoded raw binary GraphQL BETA JSON

```
1 {  
2   "title": "Iphone 11 unboxing",  
3   "category": "tech",  
4   "tags": ["unbox", "techie"],  
5   "comments": false,  
6   "ratings": false  
7 }
```

Body Cookies Headers (6) Test Results Status: 200 OK

Pretty Raw Preview Visualize BETA JSON

```
1 {  
2   "views": 1234567,  
3   "title": "longer",  
4   "comments": "enabled",  
5   "ratings": "enabled"  
6 }
```

Demo



Future Improvements

- **Add other microservices to enhance functionality**
 - Auth Module
- **Front-end Implementation following Designer spec.**
 - React
- **Database Implementation for History**
 - MongoDB (via Mongoose)
- **Project**
 - Spend more time discussing requirements, architectural decisions, dataset, etc.

Questions?