



# MOVIE Review

Project Data Acquisition  
Justaway Group

# CONTENTS

01

## Overview

Motivation  
Pain points

02

## Data Source

Primary datasource  
Secondary datasource

03

## Database

Data integration  
Schema

04

## Data Sharing API

Swagger Endpoints

05

## Visualization

Data Chart and Graph  
The representation of Data

06

## Demonstration of key features

API Demonstration...

# Overview

## Motivation

- We want to know which movies are worth watching
- We want to know how our reviewer think about the movie
- We want to know the difference between reviewer and critic

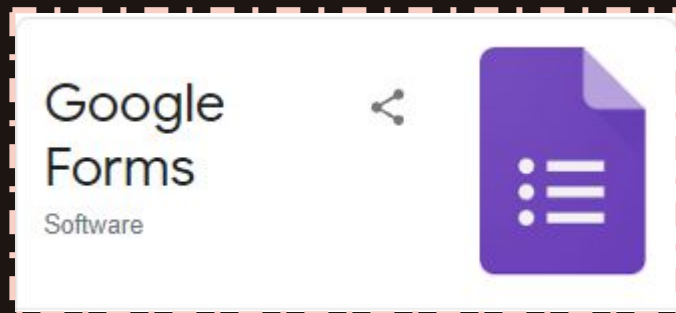
## Pain points

- Some reviews in multiple website is not really accurate
- some website gave a score of 5 but other one is 8.

# Primary Data


## Google Forms

### Questionnaire



**Movie review form**

This form summation only contain movie title within 2017-2021

 kongtapp.v@ku.th (not shared) [Switch account](#)

\* Required

**Movie Title \***

Choose

**Recommend \***

Do you recommend this movie to other

☐ Yes

☐ No

**Score \***

1 2 3 4 5 6 7 8 9 10

Very bad ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ Very good

**Your review \***

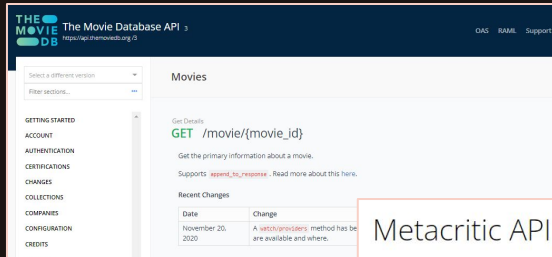
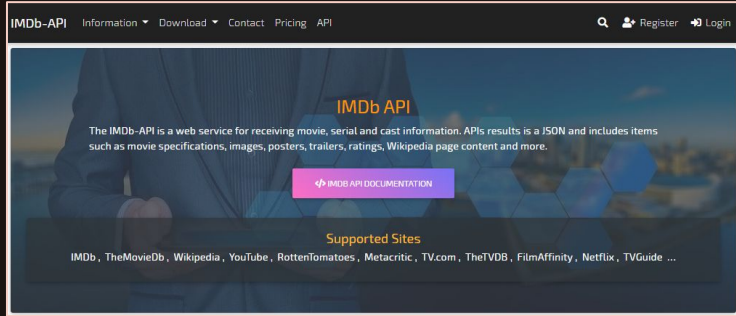
Your answer

**Submit** [Clear form](#)

Never submit passwords through Google Forms.

This form was created inside of มหาวิทยาลัยเกษตรศาสตร์. [Report Abuse](#)

# Secondary Data



## Metacritic API

Metacritic's APIs allow clients to access metadata, scores, and reviews. A trusted brand for their aggregation of user and critic ratings for two decades, clients of IVA can request permission and be able to use Metacritic ratings in conjunction with their IVA solution. By pre-integrating the Metacritic API with IVA's APIs, clients can connect IVA's deep metadata with Metacritic's professional reviews and user ratings easily, saving them time and resources.

## Movies API

IMDb API  
TMDB API



## Metacritic API

# Data Integration



## Get data

First we use method `GET`  
to record data from each API



## Database

Then we store and integrate those  
data in our database in  
phpMyAdmin

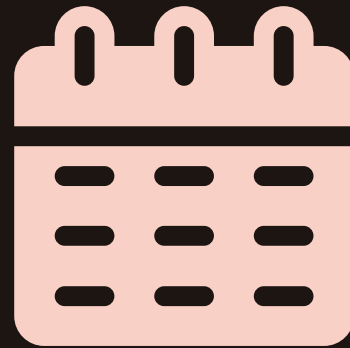


## Query & Visualize


Lastly we query from our  
database to get the answer for  
each API endpoints and visualize



# Table Schema



# Table Schema

Name		Data Type
<u>id</u>		Integer (11)
name		varchar (64)

Person






Company



Genre



## Movie

Name		Data Type
<u>id</u>		Integer (11)
<u>title</u>		varchar(100)
genres		text
release_date		date
imdb_id		varchar(64)
cast		text
production_companies		text




# Table Schema



## Review




Name	Data Type
<u>id</u> 	Integer (11)
movie_name	varchar(100)
recommend	varchar(32)
review	text
score	float
timestamp	datetime

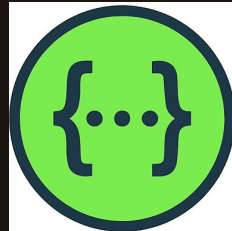


## Rating



Name	Data Type
<u>imdb_id</u> 	varchar(32)
title	varchar(100)
imDb	float
metacritic	float
theMovieDb	float

# Data Sharing API



Swagger™

# Endpoints #1



**/movie**

Return a list of movies.



**/movie/{imdb\_id}**

Return complete details of the specified movie by imdb\_id



**/movie/latest/**

Return  
list of 30 latest movies



**/movie/year/{year}**

Return list of movie release on  
specific year

## Endpoints #2



**/movie/casts**

Return list of movie star



**/movie/cast/{cast\_id}**

Return a list of movies that  
cast\_id star in



**/movie/companies**

Returns list of production  
companies



**/movie/company/{company\_id}**

Return a list of movies that  
company\_id contribute in

## Endpoints #3



**`/movie/genres`**

Returns list of genres



**`/movie/genre/{genre_id}`**

Return a list of movies with  
genre\_id



**`/movie/rating/{imdb_id}`**

Return specific movie's rating  
from various critic



**`/movie/review/{imdb_id}`**

Return specific movie's review  
from our primary data source

## Endpoints #4



/movie/AverageRating/{imdb\_\_id}

Return an average rating  
from various critic



/movie/AverageRating

Return a list of movie with average  
rating from various critic



/movie/AverageReview/{imdb\_\_id}

Return an average review from  
our primary data source



/movie/AverageReview

Return a list of average review  
from our primary data source

# Data Visualization



## Average Review Score

Review from our Primary Data



## Recommendation

Recommendation Percentage  
from our Primary Data



## Average Rating Score

Average Rating Score from  
imdb, metacritic and tmdb



**\*\* We make up our primary data for representation**

# Demonstration of Key Features



# THANKS

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CREDITS: This presentation template was created by **Slidesgo**, including icons by **Flaticon**, and infographics & images by **Freepik**.