DBMS API PROJECT

SYNOPSIS

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Abstract

Data is the **stuff** you use when you are on the **internet**, whether you are on Facebook, Twitter, Google some information or any other purpose, because of which there is a large quantity of data is on the internet.

Our project is based on the concept of picking youtube data (such as view-Count, comment-Count, etc) and to organize (create, retrieve, update, and manage) data in a database. It is done with the help of API, An application program interface (**API**) is the set of routines, protocols, and tools used for building software applications. Basically, an API dictates and controls how software components interact. An API also controls how you interact with the software For instance, when you launch a website in your internet browser, it's that site's API that receives and interprets your request and then displays the relevant URL page. In this project, for picking the youtube data we have used an **API** key that is provided by Google. We are going to use the sorting technique to organize data according to user choice.

Introduction

Basically here in this project, we are dealing with the youtube's data by using the Official Youtube API Key. And Store the data in our database and fetch it from our database in well-sorted order.

YouTube allows users to upload, view, rate, favorites, share, add to playlists, flag, report, comment on videos, and subscribe to other users. It offers a wide variety of user-generated and corporate media videos.

An API approach is an architectural approach that revolves around providing a program interface to a set of services to different applications serving different types of consumers. Actually here, API is the acronym for Application Programming Interface, which is a software intermediary that allows two applications to talk to each other.

Our project, which uses the youtube data API v3. Its function is to search the channels based on the keyword entered and give the result in the form of a list. The details we get are name, subscriber count, video count, views count, channel icon, etc. Eventually we are not creating data, we are just fetching already existing data from the particular youtube channel.

Existing system comparison:-

The person who already used this project concept was not storing the fetch data in any database, but in our project we are storing and sorting fetched data in our own database.

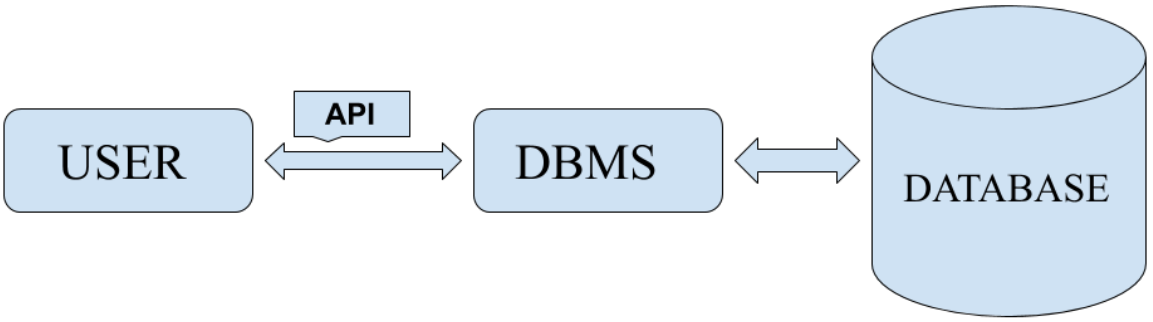
Problem statements:-

1. How can we bring the information or data of any particular web page, android based apps, google maps, twitter on which are we visiting?

2. Already there is so much available data on the internet so we don't want to make our own data?

Above problem statements, we are going to resolve in this DBMS project

Block diagram



Technology used:-

Language:- PYTHON is used for frontend.

DBMS:- MySQL is used for backend.

API Key:-to interact with the particular youtube channel's data.