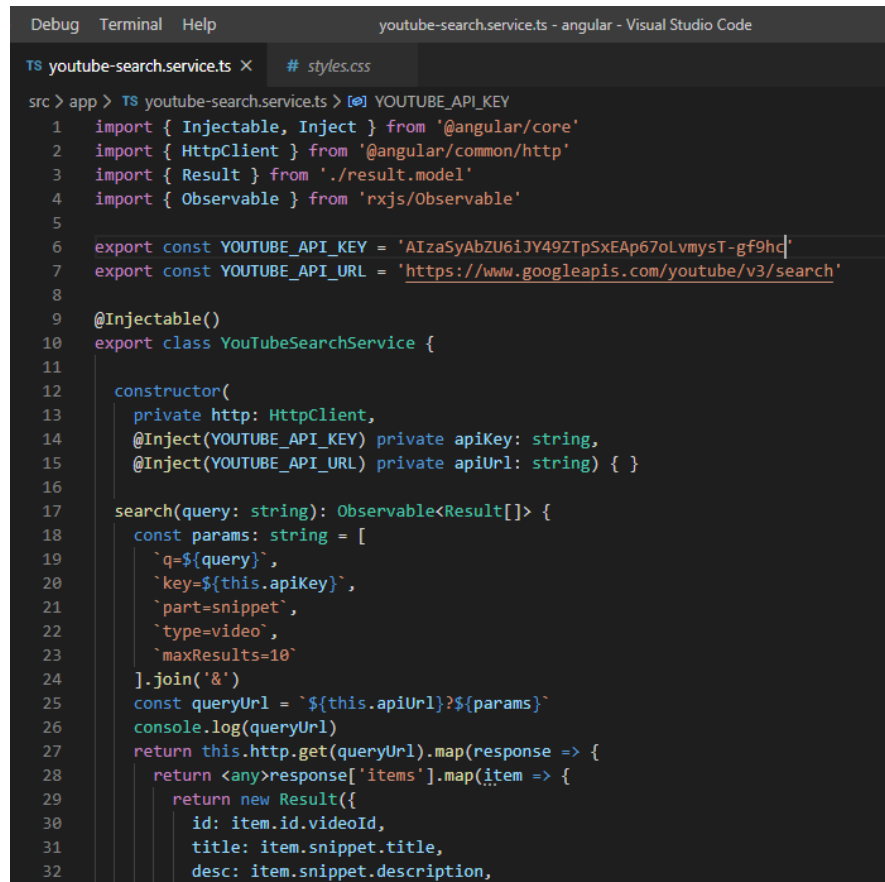


CODES RELATED



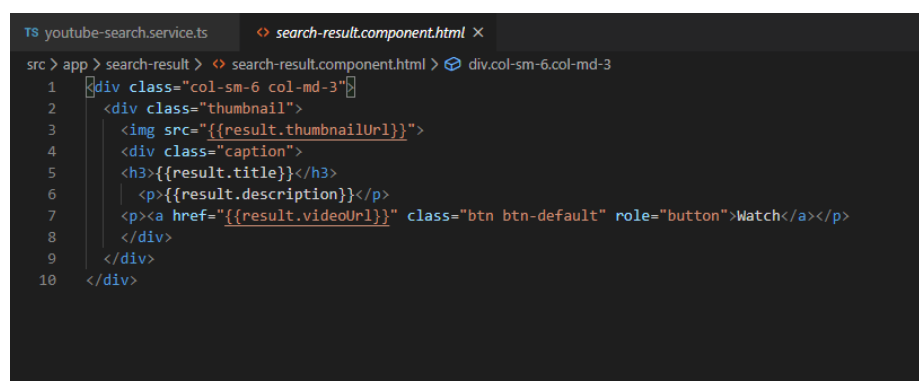
```

Debug Terminal Help youtube-search.service.ts - angular - Visual Studio Code
TS youtube-search.service.ts × # styles.css
src > app > TS youtube-search.service.ts > [⌕] YOUTUBE_API_KEY
1 import { Injectable, Inject } from '@angular/core'
2 import { HttpClient } from '@angular/common/http'
3 import { Result } from './result.model'
4 import { Observable } from 'rxjs/Observable'
5
6 export const YOUTUBE_API_KEY = 'AIzaSyAbZU6iJY49ZTpSxEAp67oLvmysT-gf9hd'
7 export const YOUTUBE_API_URL = 'https://www.googleapis.com/youtube/v3/search'
8
9 @Injectable()
10 export class YouTubeSearchService {
11
12   constructor(
13     private http: HttpClient,
14     @Inject(YOUTUBE_API_KEY) private apiKey: string,
15     @Inject(YOUTUBE_API_URL) private apiUrl: string) { }
16
17   search(query: string): Observable<Result[]> {
18     const params: string = [
19       `q=${query}`,
20       `key=${this.apiKey}`,
21       `part=snippet`,
22       `type=video`,
23       `maxResults=10`
24     ].join('&')
25     const queryUrl = `${this.apiUrl}?${params}`
26     console.log(queryUrl)
27     return this.http.get(queryUrl).map(response => {
28       return <any>response['items'].map(item => {
29         return new Result({
30           id: item.id.videoId,
31           title: item.snippet.title,
32           desc: item.snippet.description,

```

Figure 1: YouTube API key implemented

This codes for YouTube API for fetch data from YouTube and comes out with the result. This token generated by google console.



```

TS youtube-search.service.ts search-result.component.html ×
src > app > search-result > search-result.component.html > div.col-sm-6.col-md-3
1 <div class="col-sm-6 col-md-3">
2   <div class="thumbnail">
3     
4     <div class="caption">
5       <h3>{{result.title}}</h3>
6       <p>{{result.description}}</p>
7       <p><a href="{{result.videoUrl}}" class="btn btn-default" role="button">Watch</a></p>
8     </div>
9   </div>
10 </div>

```

Figure 2: Code of Search Result

This codes for user to search result.

```

TS youtube-search.service.ts  index.html  youtube-search.component.html x
src > app > youtube-search > youtube-search.component.html > div.container
1  <div class='container'>
2    <div class="page-header">
3      <h1>YouTube Search
4      <img style="float: right;" *ngIf="loading" src='assets/images/loading.gif' />
5    </h1>
6  </div>
7
8  <div class="row">
9    <div class="input-group input-group-lg col-md-12">
10     <app-search-box (loading)="loading = $event" (results)="updateResults($event)"></app-search-box>
11   </div>
12 </div>
13
14 <div class="row">
15   <app-search-result *ngFor="let result of results" [result]="result"></app-search-result>
16 </div>
17 </div>

```

Figure 3: Code of Search Component

This for search component of the youtube.

EXPLANATION FOR API

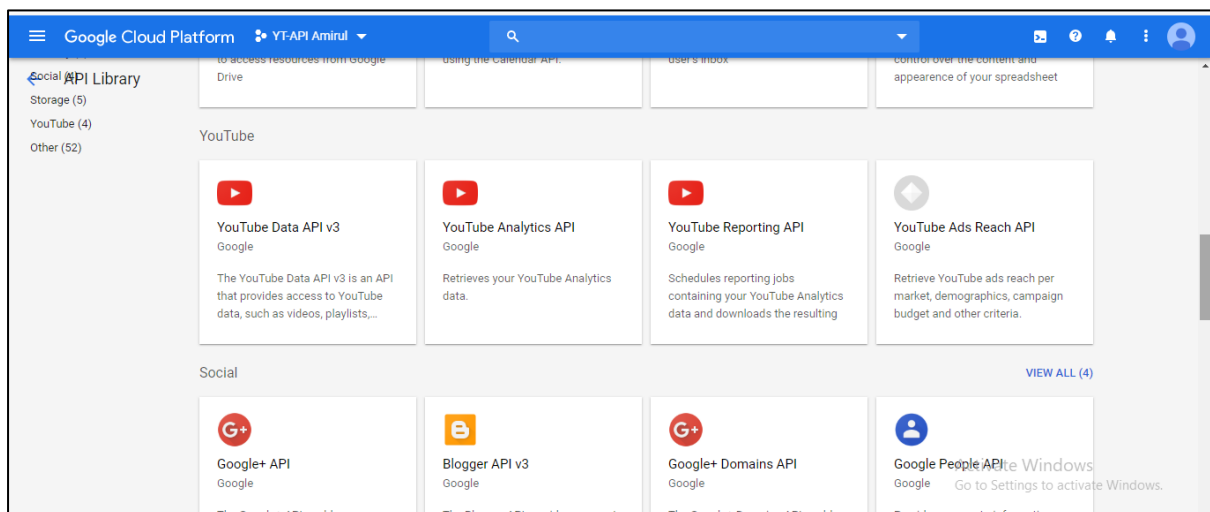


Figure 4: YouTube API version 3

This step for to get YouTube API from google cloud console. Developer need to choose YouTube API v3 that provides access to YouTube data such as videos, playlist and others.

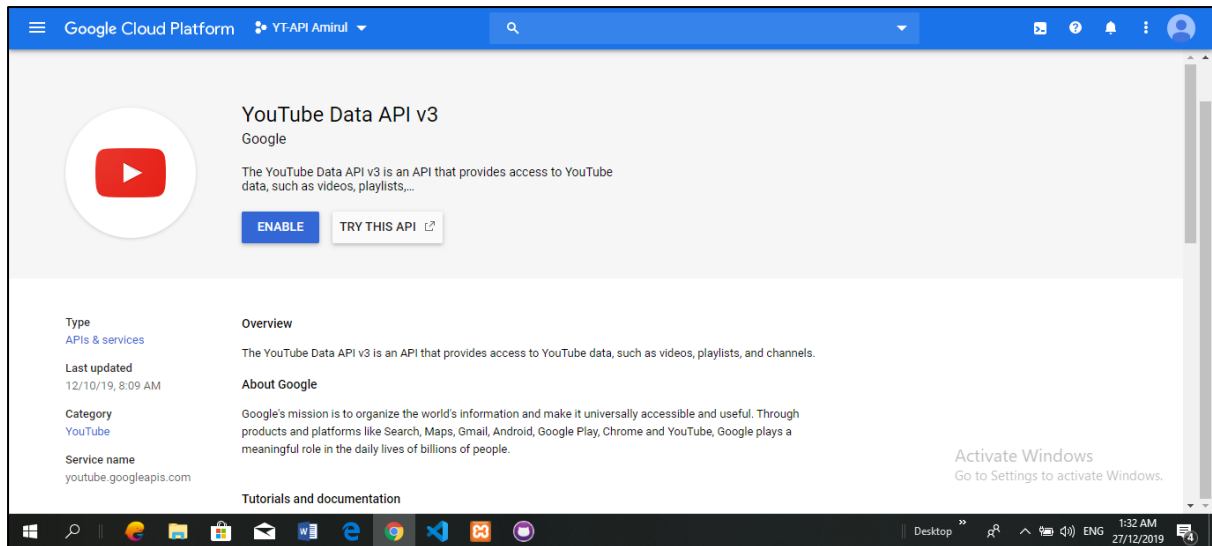


Figure 5: Enable YouTube API

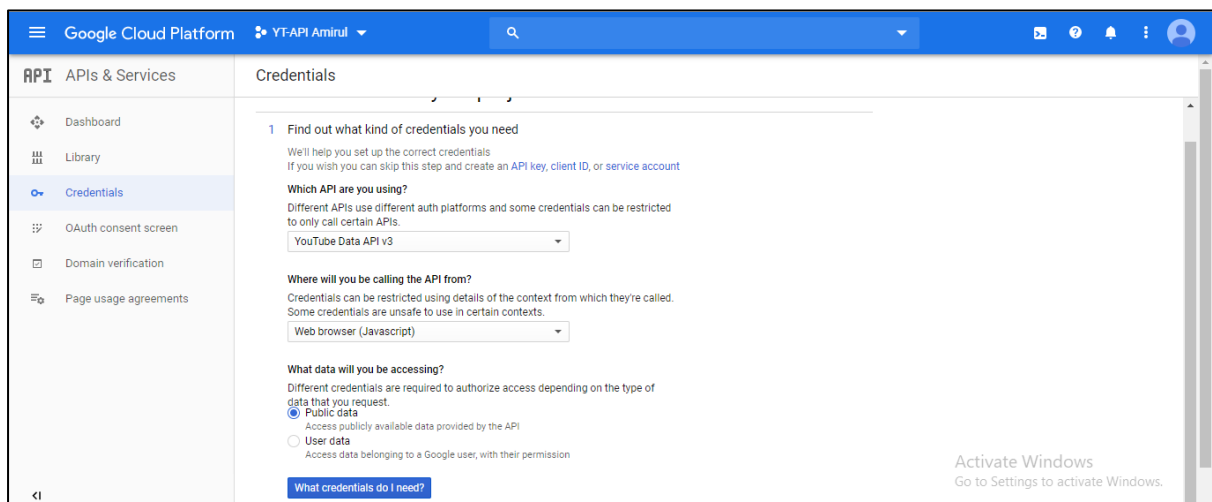


Figure 6: Create credentials setup YouTube API and set to public to access

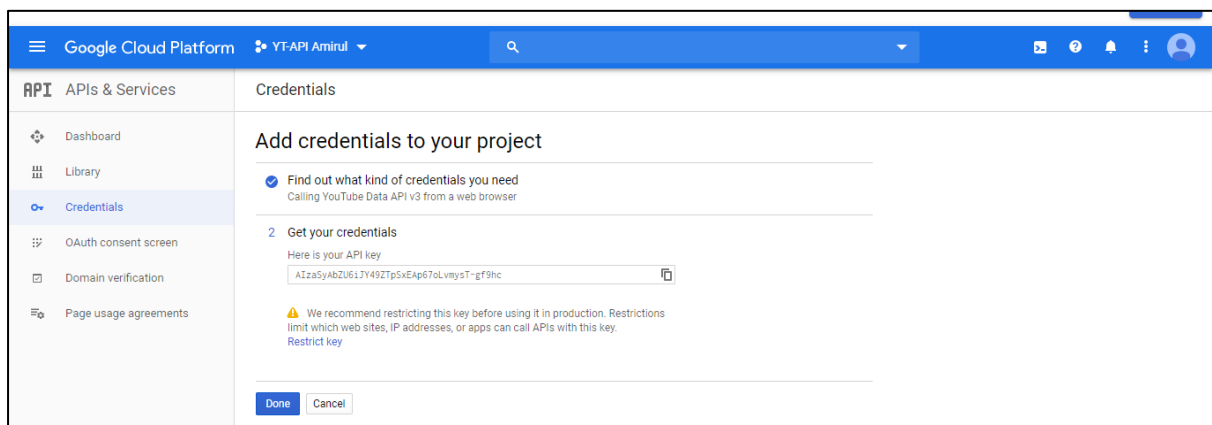


Figure 7: The credentials API key have been successfully generated and ready to use

RESPONSE RESULT

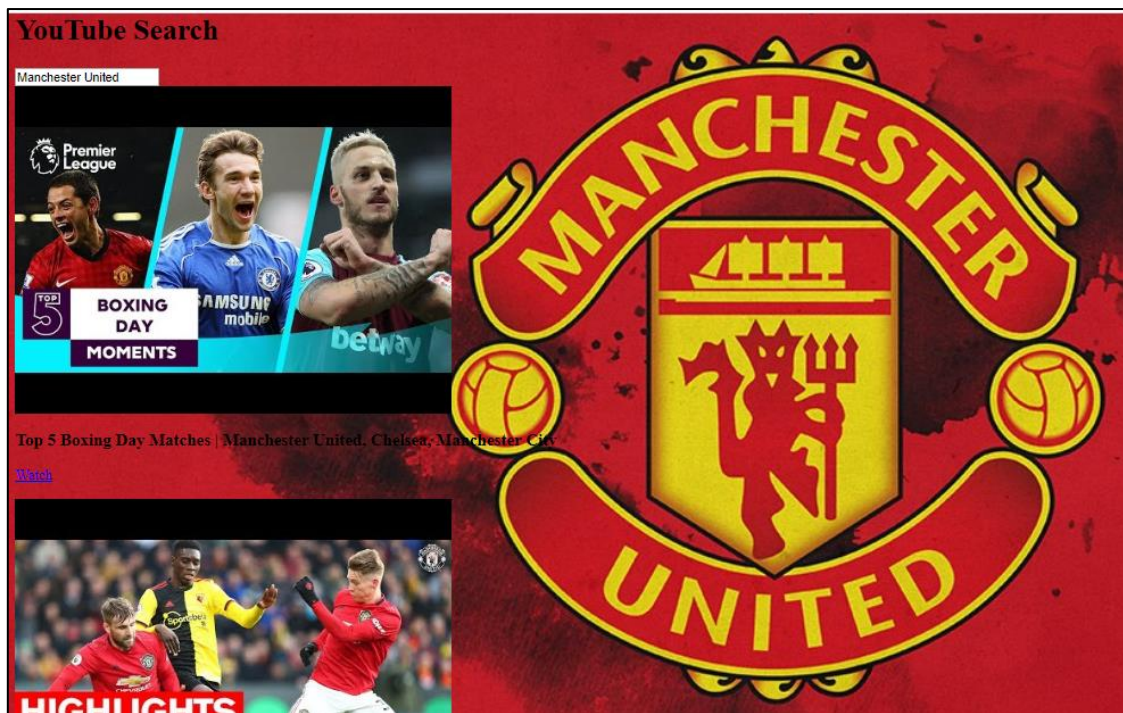


Figure 8: Response Result

Address GitHub:

<https://github.com/AmirulAsyraf96/YouTube-API>