

Independent Study Presentation

Topic: YouTube API Integration
Research & Implement & Present
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Prerequisite

- `append scripts`
 - `script(src="https://apis.google.com/js/api.js")`
- Api key obtained from google cloud platform
 - `AIzaSyDDxuyWE0GgPlp_RG6iYZvg27nF361RJ0U`

Function to connect YouTube API

- `function loadClient() {`
- `gapi.client.setApiKey("AIzaSyDDxuyWE0GgPlp_RG6iYZvg27nF361RJ0U");`
- `return`
 `gapi.client.load("https://www.googleapis.com/discovery/v1/apis/youtube/v3/rest")`
- `.then(function () { console.log("GAPI client loaded for API"); },`
- `function (err) { console.error("Error loading GAPI client for API", err);`
 `});`
- `}`

Set up search setting

```
• var searchSettings = {  
  • "part": 'snippet',  
  • "type": 'video',  
  • "order": 'relevance',  
  • "maxResults": max,  
  • "q": keyword  
  • };
```

Sending request

- `gapi.client.youtube.search.list(searchSettings)`

Organize Response

- `result.forEach(video => {`
- `//Video attr`
- `var ID = video.id.videoId;`
- `var title = video.snippet.title;`
- `//Set Division`
- `let imageBox = $('<div>');`
- `imageBox.attr('class', 'box')`
- `//Set link`
- `let a= $('<a>')`
- `a.attr('href',
"https://www.youtube.com/watch?v=" + ID
);`
- `a.attr('data-fancybox', '')`
- `//Video thumbnail`
- `let thumbnail = $('');`
- `thumbnail.attr('src',
"http://i3.ytimg.com/vi/" + ID +
"/hqdefault.jpg")`
- `thumbnail.attr('id', 'thumbnail')`
- `a.append(thumbnail)`
- `//Video title`
- `let label = $('');`
- `label.append(document.createTextNode(title))`
- `};`
- `//Append list to Div`
- `imageBox.append(a)`
- `imageBox.append(label)`
- `videoDiv.append(imageBox)`
- `})`