

## **Proyecto team 1: Generación de Resúmenes de Noticias**

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## **Introduction**

Hemos usado News API para tomar noticias de diferentes fuentes y la API de Facebook BART para generar resúmenes de esas noticias.

## API Integration I

Usamos News API para conseguir todas las noticias, en este caso sobre Apple.

```
pip install requests flask openai
from dotenv import load_dotenv
import os
import requests
```

```
load_dotenv('.env')
bart_api_key = os.getenv('bart_api_key')
```

```
# Configuración de las credenciales de la API de NewsAPI
news_api_key = os.getenv('news_api_key')

def get_news_articles(query, api_key=news_api_key):
    url = f"https://newsapi.org/v2/everything?q={query}&apiKey={api_key}"
    response = requests.get(url)
    articles = response.json().get('articles', [])
    return [article['content'] for article in articles if article['content']]
```

```
articulo = get_news_articles(apple)
```

## Results

articulo

[illegible]

## API Integration II

A través de Hugging Face encontramos la API de Facebook BART para hacer resúmenes.

```
import requests
```

```
API_URL = "https://api-inference.huggingface.co/models/facebook/bart-large-cnn"
```

```
headers = {"Authorization": f"Bearer {bart_api_key}"}
```

```
def query(payload):
```

```
    response = requests.post(API_URL, headers=headers, json=payload)
```

```
    return response.json()
```

```
output = query({
```

```
    "inputs": articulo[1],
```

```
})
```

## Results

```
#Displaying results in good format
from IPython.display import display, HTML

# Formatting the output text
model_output = f"<h3>Resumen:</h3>"
conclusion_output = f"<p>{resumen}</p>"
ai_notice = f"<div style='margin-top:20px; color:gray;'><i>This selection and
explanation have been generated by GPT-based generative AI based on the tested
model results.</i></div>"

# Combining the format and displaying the output
final_output = f"<div style='border:1px solid black;
padding:10px;'>{model_output}{conclusion_output}{ai_notice}</div>"
display(HTML(final_output))
```

### Resumen:

Apple's new iPad Pro was unveiled at an event in Cupertino, California. The company held a livestreamed keynote and held a hands-on event for media afterward. The event was meant to be a showcase for the iPad Pro, but it was more of a PR stunt.

*This selection and explanation have been generated by GPT-based generative AI based on the tested model results.*

## Lessons Learned

Primero intentamos generar el resumen con la API de ChatGPT, pero vimos que ya no hay versiones gratuitas. Así que pasamos a intentarlo con la API de Facebook -BART- que elegimos a través de Hugging Face del listado de API de open source para hacer resúmenes.

La implementación ha sido muy sencilla y rápida.

Generar el código para ocultar las API keys ha sido casi la parte más compleja.