Dear candidate, Welcome !

Thank you for your interest in Brut and our great data team.
As part of your interview process with us, our team has put together an exercise for you to complete. This will help us understand your skills and will allow us to assess everyone on the same basis.
We will review the case study with you in another technical interview soon.

We look forward to seeing your findings and wish you the best of luck !

Your assignment…

Context

OurMedia publishes videos on HeyFriend, a social media network for young adults.
OurMedia has multiple **pages** on HeyFriend.
One of the OurMedia Data team missions is to deliver insights on the performance of our videos on HeyFriend.
The goal of this case study is to create a **python Flask API** that stores, retrieves and deletes information about Brut pages and videos from an **sqlite database**.

Pages
A page has the following characteristics:

- created_at: the timestamp of creation of the page
- id: unique identifier of the page
- name: page name

Videos
A video has the following characteristics:

- created_at : the timestamp of creation of the video
- id: unique identifier of the video
- title: title of the video
- page_id: id of the page where the video was published

Video insight
A video insight has the following characteristics:

- created_at : the timestamp of creation of the video
- id: unique identifier of the video
- video_id: id of the video
- likes: number of likes of the video
- views: number of views of the video

Tasks

1. create page with name OurMedia France
2. create a video A and a video B of page Brut France
3. create an insight for video A and and insight video B
4. delete video B
5. The created database is a transactional database (OLTP).
   Create a simple architecture schema that illustrates a solution to create an analytics database (OLAP) on Google Cloud Cloud platform that is synchronized with the OLTP db.

Your final result should include a **readme file** with clear instructions on how to execute the tasks 1 to 4, and **tests**. Finally, your code should be published on **github**.
Include the **schema** in task 5 as an **image** in your github readme file.

Your timeline …

You have one week starting the date we have sent you this document to finish your assignment.

Once finished please send it to :
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