EPITECH. TECHNOLOGY

CRYPTO VIZ

REAL-TIME CRYPTO CURRENCIES TOOL

CRYPTO VIZ

You are a solution architect in charge of building the perfect web-based big-data application that will help your client to be fast and competitive.

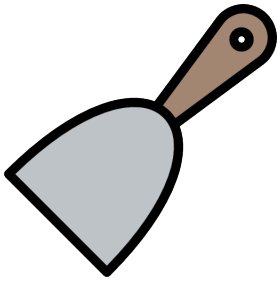
Your application must help the client with the following tasks:

- ✓ continuously collect data from a cryptocurrency news feed ;
- ✓ continuously process the collected data and provide analytics ;
- ✓ dynamically visualize the provided analytics with the appropriate graphs.

Visualisation should include a temporal dimension.

For that purpose you must provide at least three main components in your application.

Online Web Scrapper



Your online web scrapper is able to continuously collect data from a cryptocurrency news feed.
It is **always running and collecting data**.

Your client want you to use **the consumer/producer paradigm** for the development and for the deployment of this component.

Online Analytics Builder

Your online analytics builder is in charge of processing the scrapped data.
Like the scrapper, the builder is **always online** and should be **as fast as possible**.

The builder should also be developed with respect to the **producer/consumer paradigm**.

Dynamic Viewer

Since the analytics evolve with time, you online viewer is very critical.
It should update itself with the analytics built by the previous component.
It also should include a temporal dimension in order to explore the evolution of the analytics and provide insight for the business decision makers.

Deliveries

Your delivery should necessarily include the following:

- ✓ your **application**, deployed locally or online ;
- ✓ a **report** that describes the architecture of your app AND your technical choices ;
- ✓ your **git project** with your entire code, config files and possible automations.

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