Technical test

Subject: **We want to visualize data from the titanic disaster.**

Rules to remember:

* **The subject is very broad on purpose. The goal is to have something that works at the end. We did not specify a lot of things on purpose to see on what you will focus.**
* Develop this small project as you would do it for a normal/production project

Tech requirements:

* Back-end must be in Python 3.0 or above and use *FastApi* as webserver framework
* Front-end must be in ReactJS 16.8 or above
* Using Docker and docker-compose to ease the testing of your app would be greatly appreciated ☺

Back at least:

1. an API to feed the csv into your database
2. an API to query the data

Front at least:

1. A table to visualize all the information from the passengers of the titanic
2. A Graph to represent one of the fields of our data
3. Possibility to filter the data displayed on the screen

INFO:

1. You can find the titanic dataset here on Kaggle. <https://www.kaggle.com/c/titanic/data?select=train.csv>

Please ignore the competition and just use the train.csv file

1. You are free to use any external library.
2. **Do not spend too much time on the look and feel,** we are more interested in the design of the APIs and the structure of the components than the colors and font of the app.
3. If there is no information or you have questions about something feel free to make your own choice or assumptions about it.
4. You should not spend more than 4 hours on this. The idea is to see your general coding and project structure skills. It is ok if all your features are not fully finished.
5. Please create a git repository to share the code with us once you are done and share it with: <https://github.com/clement-dedenis> <https://github.com/eliseeA> <https://github.com/MatthieuLabarriere>