

## Technical Test - Fullstack apprentice Developer

The objective of this exercise is to realize a complete application allowing to visualize datas of an SQL database.

- Two SQL tables users and addresses
- Insert the data from a csv file `./data/*.csv` into an sqlite3 database
- Create an API and a Front end to visualize the data

### Prerequisites

- Git
- Python 3
- NodeJs (If necessary)
- A code editor
- Clone this repository: <https://github.com/SESAMm/technical-test-fullstack> (data to put in your database)
- Use Sqlite3 (SQL Database)

### Test

- Create the tables for inserting the data into the database (Use `create_and_insert_database.py` file for. You can find it attached to this email)
  - `python create_and_insert_database.py` This command will generate a `database.db` file that you will be able to use for the rest of the exercise
- Create an API that will be the interface between the frontend and the Sqlite database
  - The API will have to answer with a normalized format
  - You have to apply the best method to create your API
  - The API must be developed in Python or NodeJs
- Create a front-end with a minimum of design to display the data (free choice of visualization)
  - Display the users list
  - Display the users list with their address
  - Display some pertinent data (Feel free to choose the best data to display)



## Instructions

- Time allowed: Until the delay indicate in the email - allow approximately 3 hours for its completion
- Internet use is permitted
- The use of third-party libraries is authorized and encouraged (don't reinvent the wheel)
- You can use the front-end framework of your choice or just vanilla JS if you want
- Implement at least one unit test and/or one end-to-end test (with the tools of your choice)

At the end of the test, a technical debriefing will be conducted, during which we will rely on the code provided and any observations you may have, so feel free to document the code a bit and take notes on what you think is relevant.

Consider that we work together, so do not hesitate to ask any questions.