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P1: USING A DATABASE IN THE REAL WORLD. OUR CALORIES COUNTER APP

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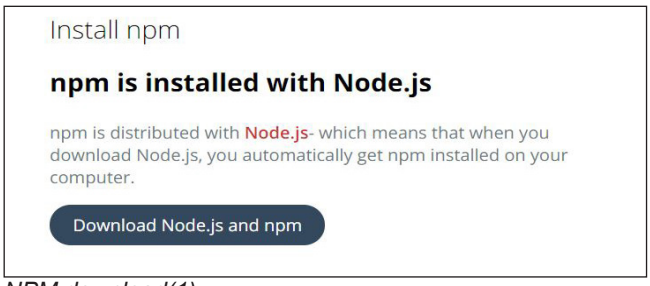
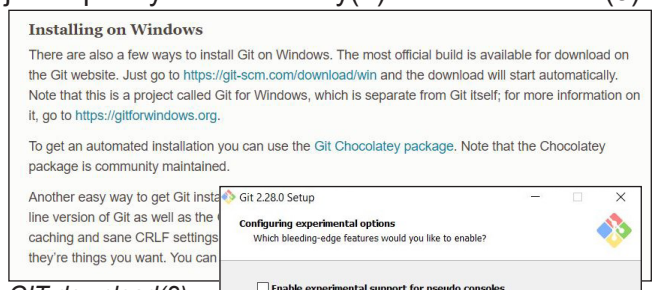
1. Describe step by step the process of installing the application that makes use of a database that we have seen in class (calories counter). You should include a textual description of the entire process as well as explanatory screenshots at any time you deem relevant. How did you resolve the dependencies and issues required to run the app? Comment the resources you've used to resolve them too.

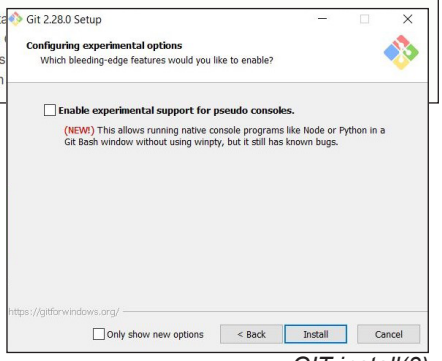
First of all we download NPM to manage the Node JavaScript platform packages(1).
And then we download a GIT to handle all kinds of projects quickly and efficiently(2). And we install it(3).



NPM download(1)

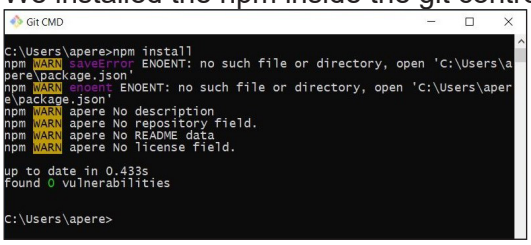


GIT download(2)

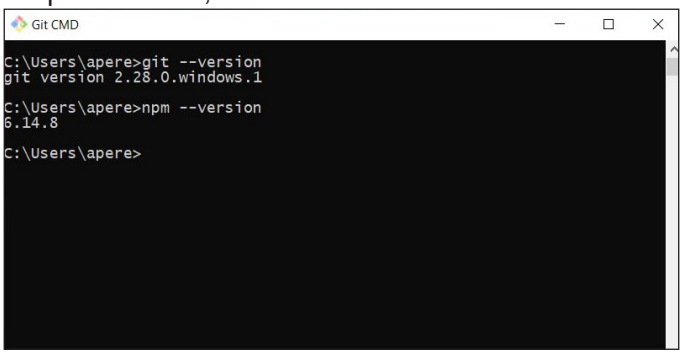


GIT install(3)

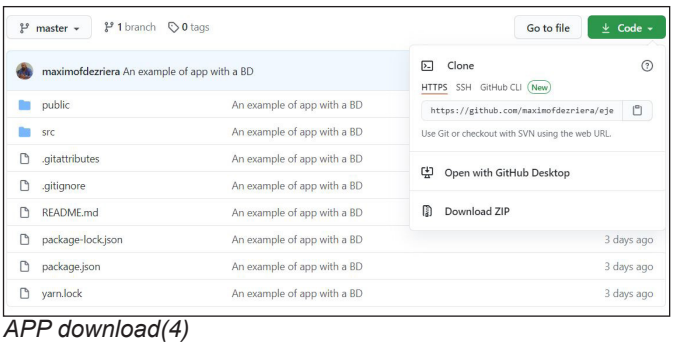
We installed the npm inside the git controller.



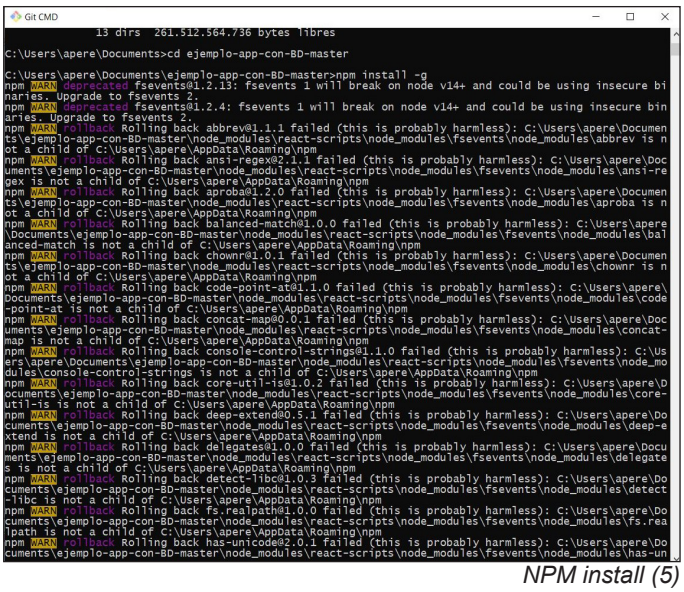
Now that we have the git and npm installed, let's check it out and find out the version.



Then we download the application from the teacher's GitHub(4) and install the NPM into the application from the driver(5).



APP download(4)

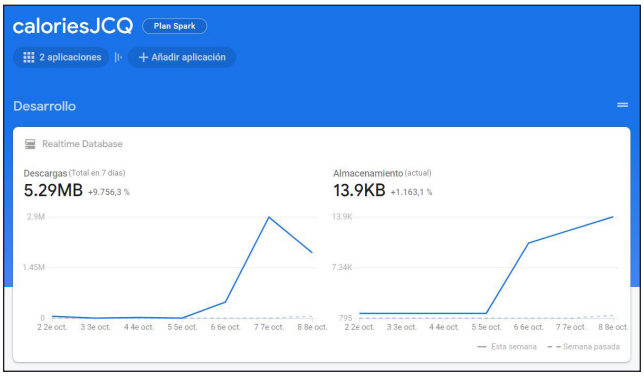


NPM install (5)

Finally, the creator of the app, in this case the teacher, gives us permission to manage the Calories Counter app database.

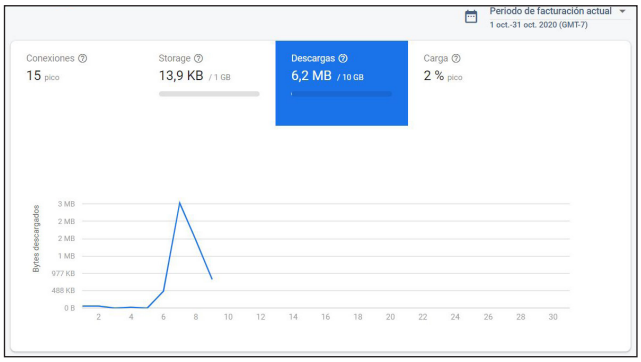
2. Describe what you see in your app's backoffice, how does data entry influence on app behavior? Include explanatory screenshots and textual information that you find it interesting.

The first thing we see in the backoffice of the application are the downloads of the last 7 days and current storage, where we can see that from October 5 has grown significantly, as students of ASIX Dual have been discharging users and meals to test the application.



And clicking on Realtime Database we can access the information of the users, like the email, username, password, and the meals that it has given of discharge in the application, knowing from the food to the calories that it contains, even the date and hour in which the user has done this meal.

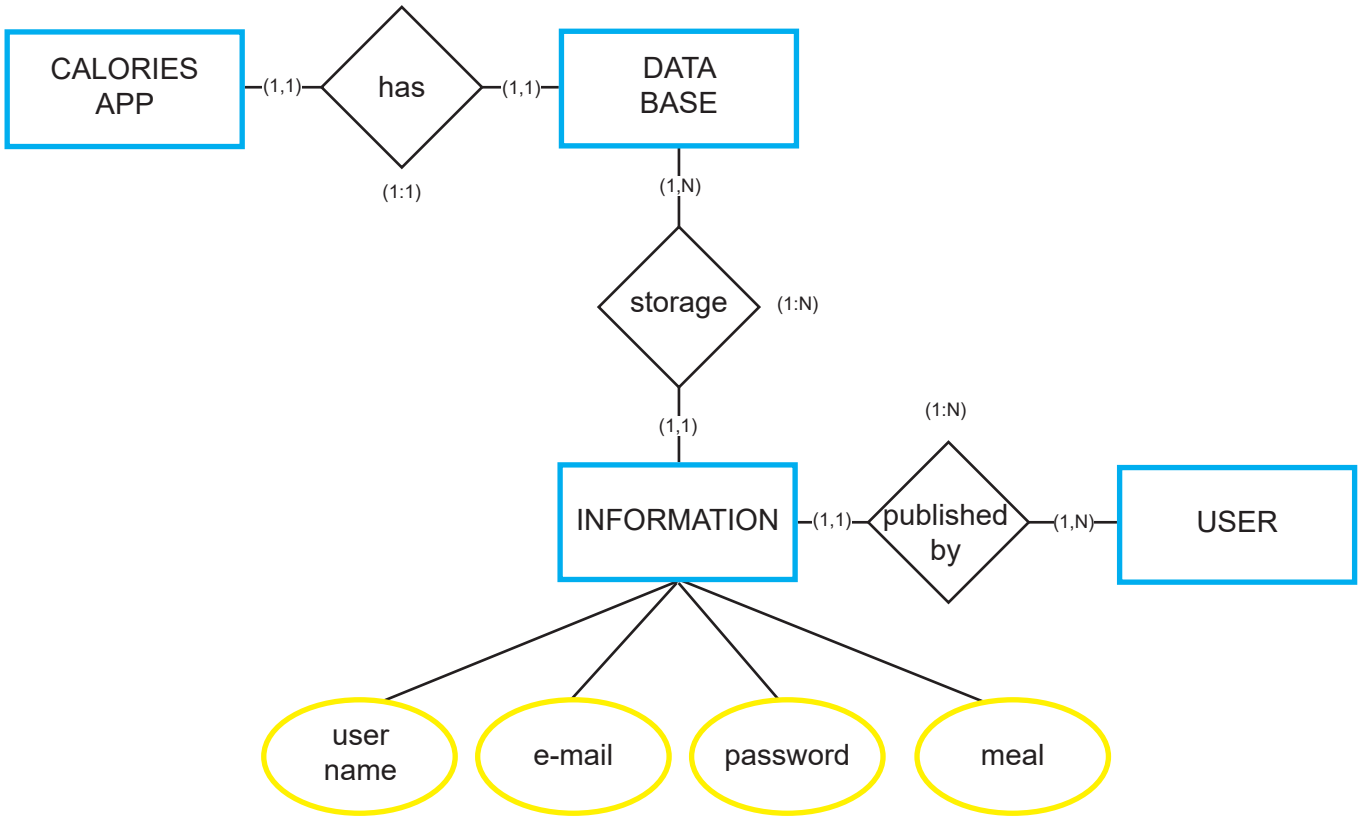
Where apart from the database we also have access to make backups of the data and rules of the application, in addition to knowing the connections we have had, the amount of data stored in the database and the bytes downloaded including the overload of SSL encryption.



3. Considering the previous point, define with your own words, what is a database? and what does a database allow us to do?

A database is a set of organized and related data, which are collected and exploited by companies or private businesses through computer systems.
These databases allow us to store and group information in a single place, which can be accessed by several members, avoiding redundancy and improving the organization.

4. In class we are starting to use the entity relationship model . Make a diagram of this style by graphically describing the application's data model. Use diagrams.net to professionally draw the result.



Our **calories application** has a **database**, which stores **information** published by its **users**.