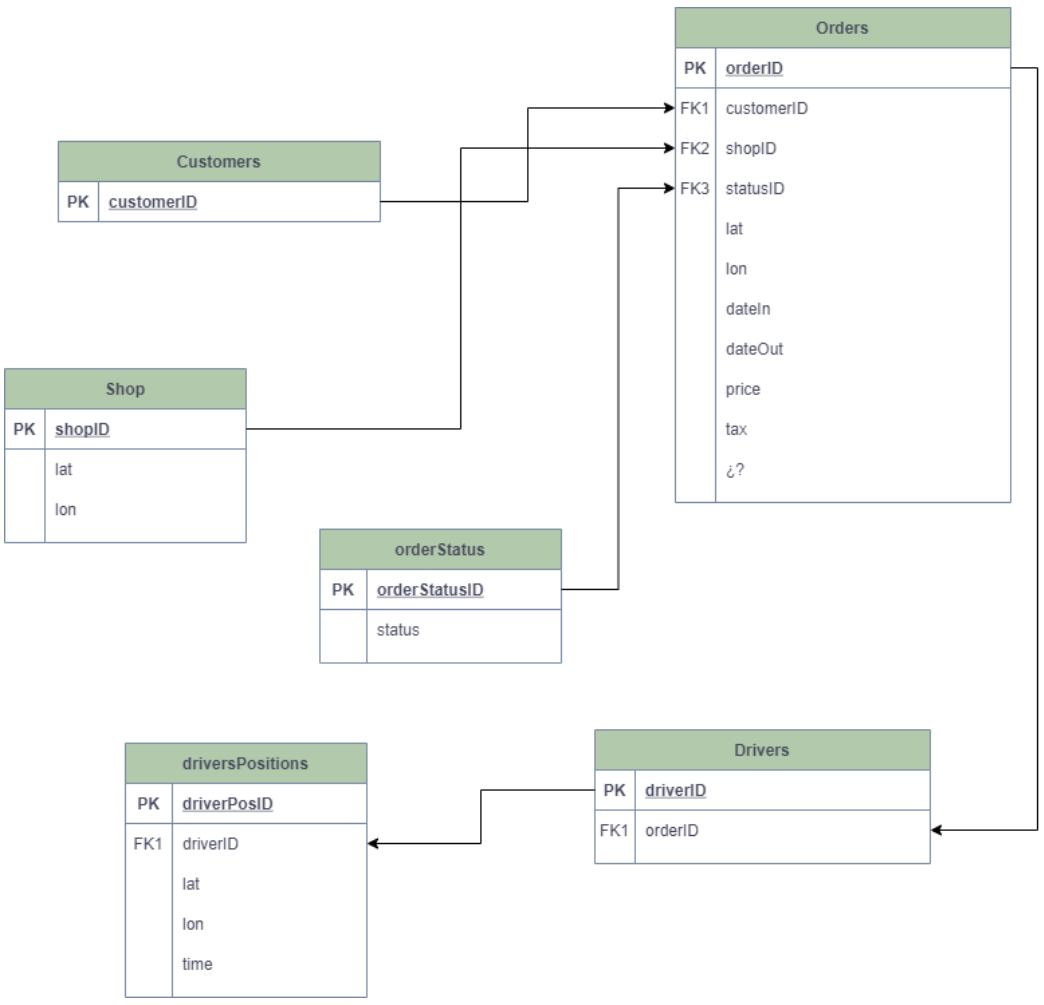
HappyApi and Features DB (provisional)

HappyCity is a food delivery company created in 2018 to be a pioneer in the sector for the city of Ceuta.

The project for the development of an AI consists of minimizing the delivery times for the orders by the company's application. A study of the data stored in the databases is necessary to establish an effective metaheuristics to assign drivers and to be able to make deliveries efficiently. This diagram shows a main idea of the possible data that we will need to provide our AI with sufficient capacity when making the decision to assign orders to drivers:



lat and lon are attributes of type float that represent the GPS points for the location on the map

Possible ideas for data studies:

- Establish a division by sectors on the city map, which would help to place drivers in different quadrants according to the businesses that are listed in the system
- Study the way of acting of the clients with the own history of their orders
- Analyze the number of orders that different businesses have to establish some hot spots of which companies are the most requested.
- See on which days of the week the orders are more frequent, from which client and from which business.
- ¿?

Features

Another problem to be solved is the automation of the calculation for the weekly reports of the company. This problem consists of making the relevant accounts that the business needs to know the money that must be paid to the different businesses that use this platform and exporting them in Excel format.

This report is the one that is sent to all HappyCity members and is the one necessary to make the bank transfers of the weekly payments. The back-end is in charge of exporting with a filter the history of the week with the data of the prices, rates and tips that are received and with what form of payment they have been made. First you need to make a review by a superior of said report and fix possible price changes or errors. After this filtering and ready the general report enters the development that we must elaborate to automate and carry out the accounts to know the balance of each weekly business of its orders.

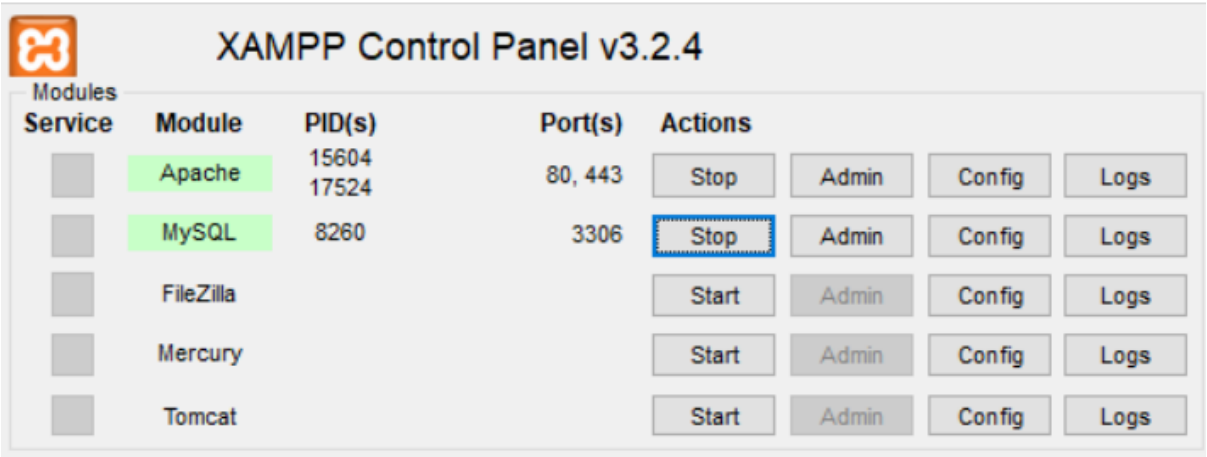
Install DB

For the installation of the database in our localhost we will need to install two programs:

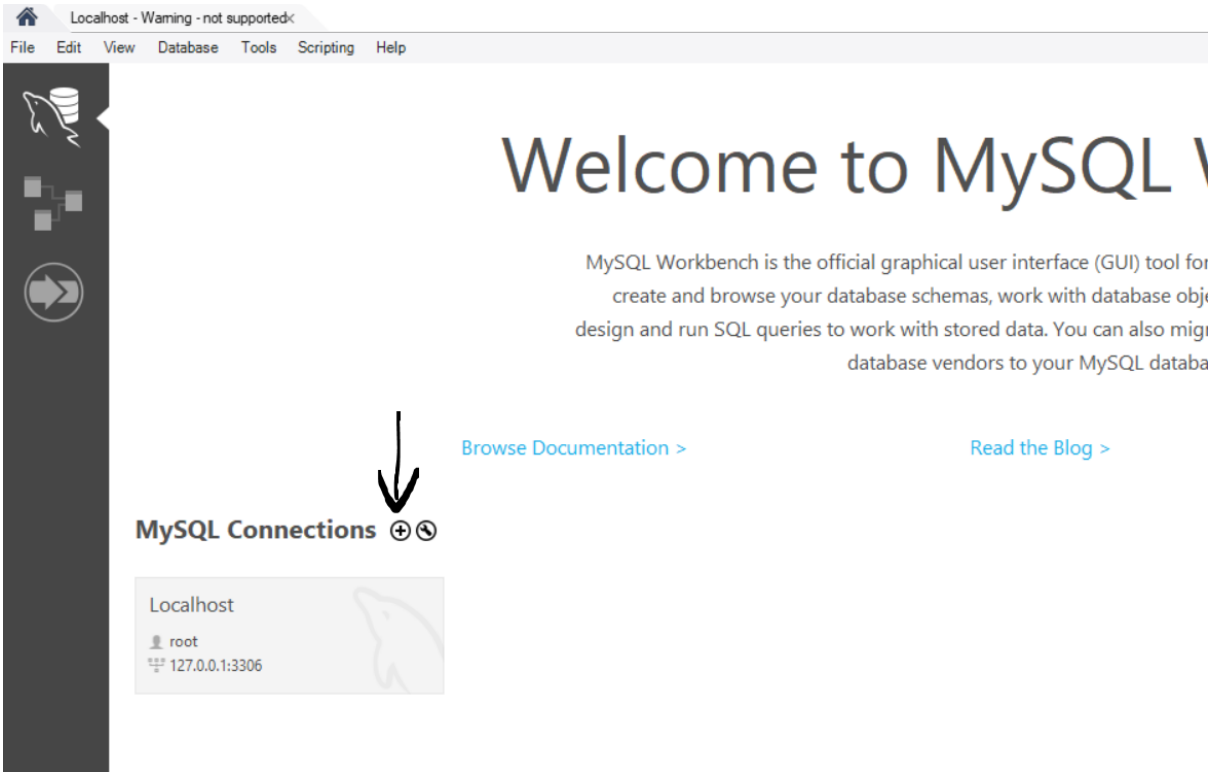
1. Xampp (https://www.apachefriends.org/index.html)
2. MySQL Workbench (https://www.mysql.com/products/workbench/)

When we have installed our programs we proceed to the incorporation of the mirror DB that they have provided us to be able to work with it.

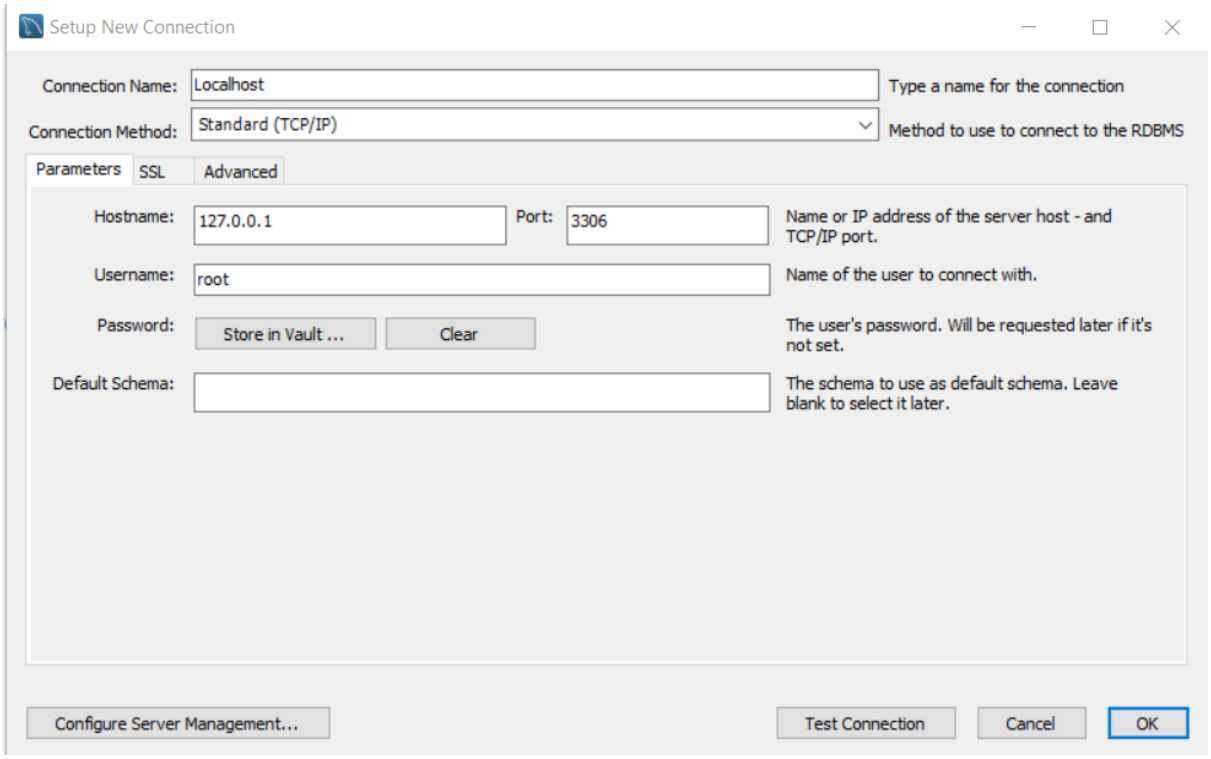
1. We open Xampp and we will have to run the following services as shown in this image



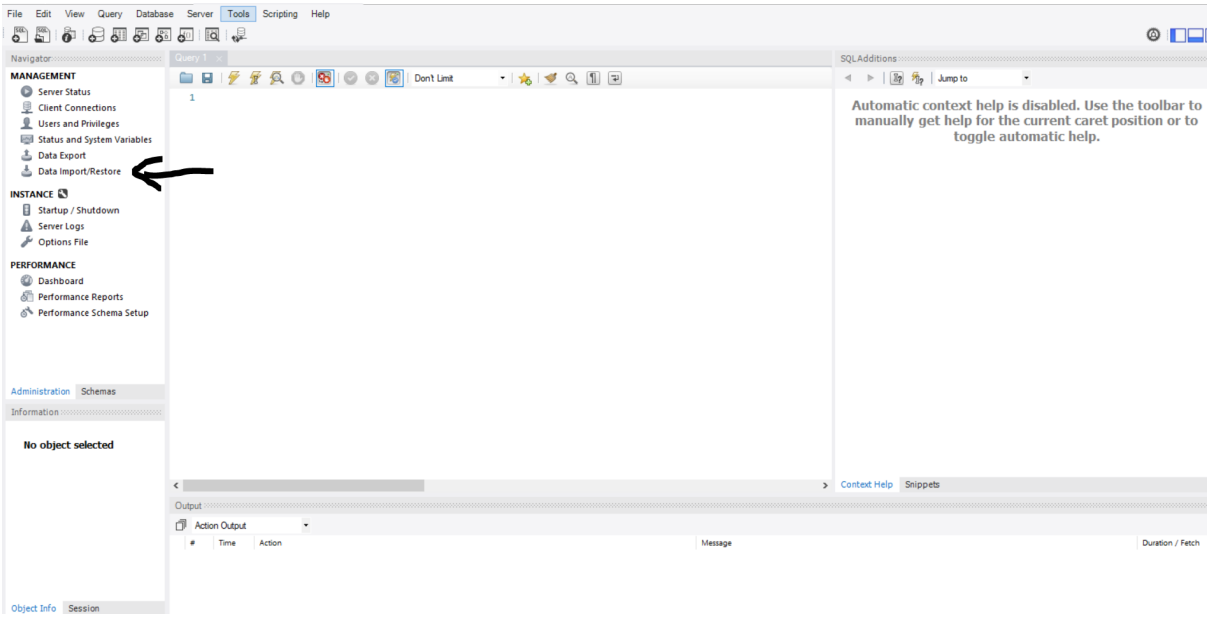
2. We will open the MySQL Workbench and we will be shown this interface and we will add a new connection.

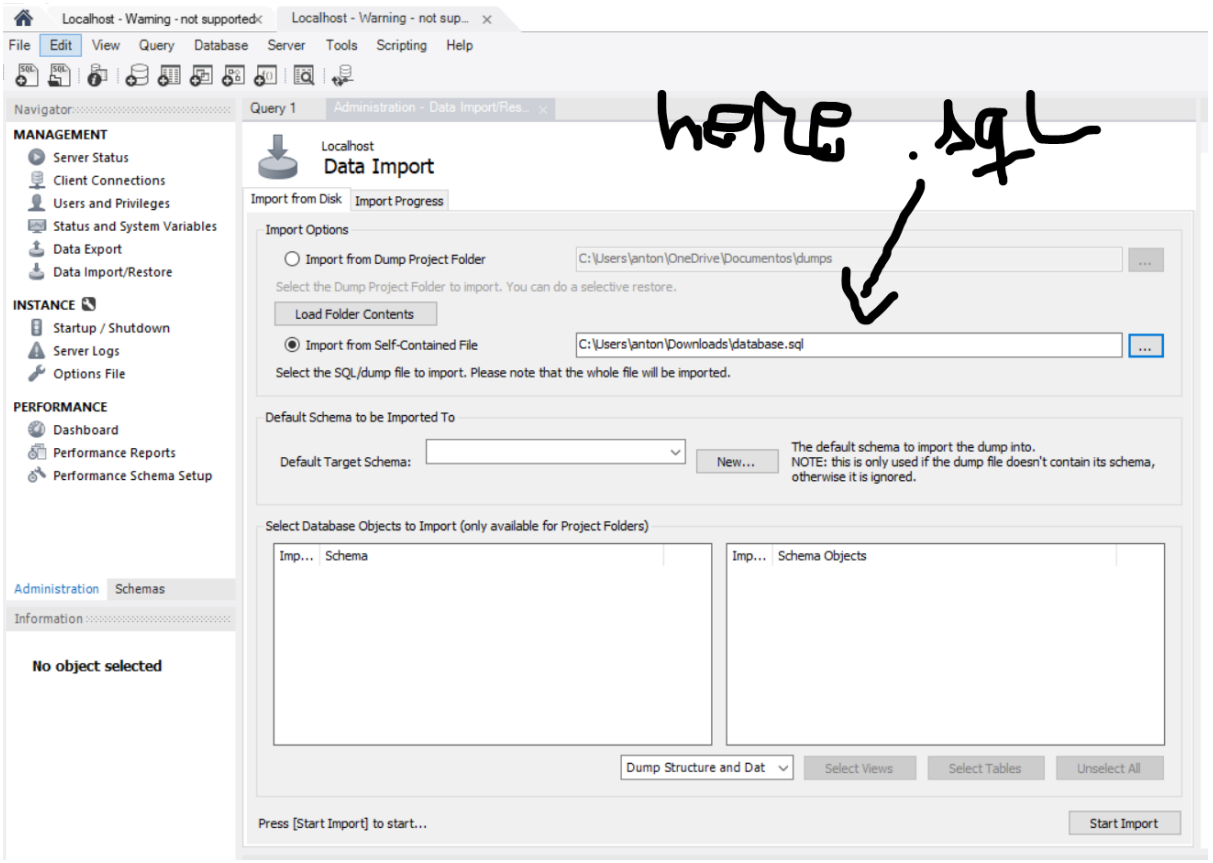


3. We will put our connection as provided by Xampp in localhost as shown below



4. We are going to import the .sql file that we have received from the HappyCity team to import it into our sql localhost and be able to establish connections with the DB, we must follow the following steps that we have below





5. As a last step we will check if the tables and databases have been added correctly as indicated now