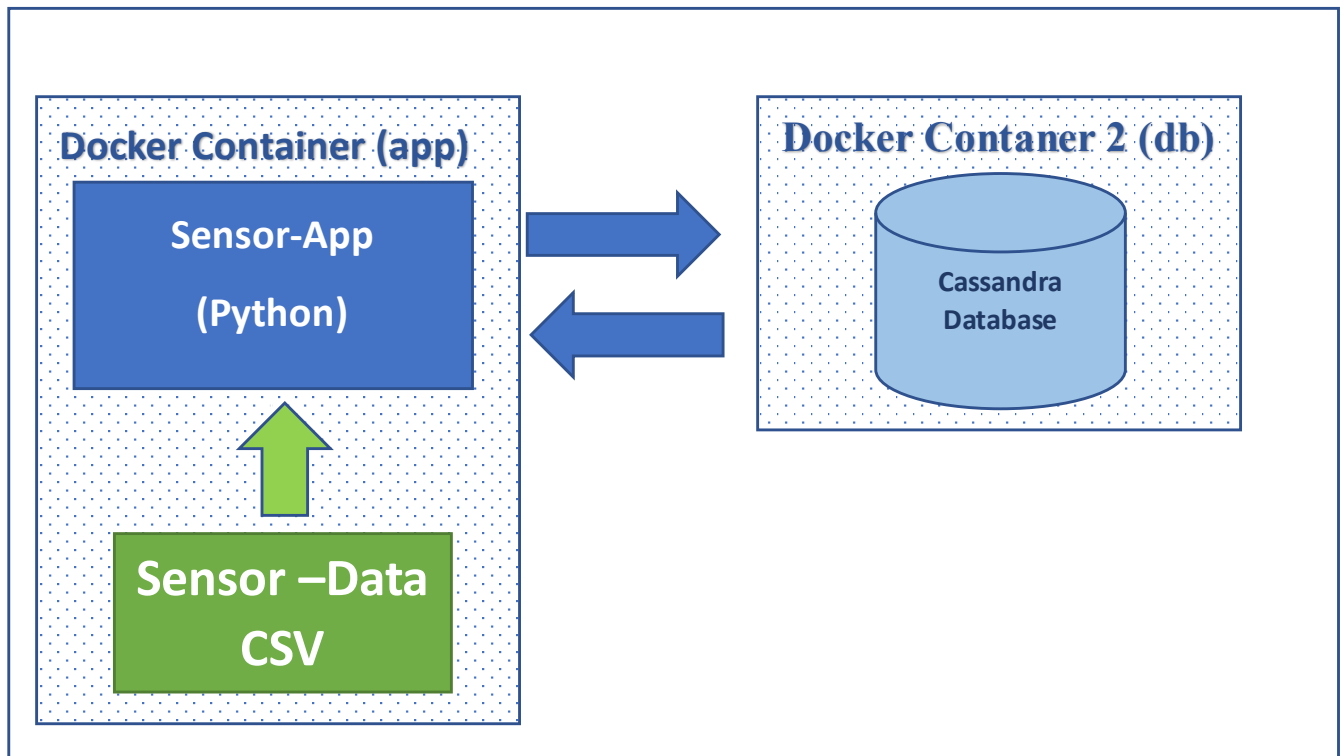


Development phase

All application is divided into two parts. Frontend and Backend part. The frontend part contains Sensor-App application which is installed in the Docker app and the backend contains the cassandra database which is installed in the another container.



Steps to install and run the application:

1. Go to the Github and download the project (<https://github.com/mmbate/municipalitydb.sensors>)
2. Open the folder and run the docker.compose file which contains two services (app and db).
3. Open the terminal window and run the docker-compose file (**docker-compose.yml**).
4. Two images will be created and the main.py file will be automatically started. This file imports the sensor data from the CSV file to the Cassandra NoSQL-Database.

Verification of the Data in the Cassandra Database

1. Get in the container e.g **docker exec -it <container-ID> bash**
2. Start the cassandra shell. Give the following command **cqlsh**
3. Select Data: **SELECT * FROM municipalitydb.sensors_entries;**