The Mongodb database works with databases and collections, each database is composed by different collections.

We are using a collection-per-topic approach, so we store the data of the sensors belonging to the area X to the collection named X.

In our instance, there’s a database called “**masaccio**”. In this database, there are three main folders. **Collections,** that contains all the collections that the system generates (a collection for each area/topic).

Every collection contains a set of .json documents that are composed by the data that the system receives from sensors and cameras plus their ids and timestamps (it also contains the internal id of the document itself, used by Mongo and called “\_id”).

For example, in the figurewe show the set of document that characterize the area **a1.1**. We show also the third document of this set, that contain all the pair “key-value” that corresponds to a reading performed by the sensor with id=50, the actual reading and the timestamp.

**Functions** and **Users** are default collections that are generated when the database is created.