The relational database is structured as in the following:

* The **users** tablecontains all the data about people that have a profile on the system (we are talking about of authorized people). We store the name, surname, birthday, address, telephone’s number and we distinguish every registered person with an id that is unique.
* The **groups** table contains all info about the team that have responsibility and special permission in some kind of area
* The **services** table contains all the services that can be used from authorized people
* The **users\_groups** table contains different pair of user’s id and group’s id and identify wich person belong to a determinate group
* The **groups-services** table contains different pair of group’s id and service’s id and represent which services are possible to use for a precise group
* The **groups\_areas** table is used to store the id of groups that have some kind of authorization in a specific area identify by the respective id.
* The **areas** table is used to store all the data about the different areas that the system must be monitor
* The **cameras** table contains all the data about every camera that we have used for each area. Indeed, in this table there is a field that contains the id of the area where the camera has been positioned
* The **sensors** table contains all the data about every sensor that we have used for each area (also this table have a field that contains the id of the area where the sensor has been positioned)
* The **actuators** table contains all the data about every actuator that we have used for each area (also this table have a field that contains the id of the area where the actuators has been positioned)
* The **generate\_events** table is used to store all the data and information about all the critical event that will can be verify in the feature
* The **events** table contain all the information about all the possible critical events that the system must handle/manage
* The activate table contains the list of what kind of actuators must be activated if a particular event occur

**NB:** In our scheme sensor and cameras can “generate” an event and when a particular event occur it must activate the actuators where id\_area of actuators correspond to id\_area of generate\_events.