The database must holds many `user`:

- Each user: is uniquely identified by their `username`
- Each user has a `password`
  The app does allow joint ownership of a garden
  - A user can have many `garden`, `garden` in turn can have many `user`
  - A `garden` can exist separately from the `user`

For each `garden` they can have:

- Many `report`, each `report` can only have 1 garden, this is a weak entity with the parent entity `garden`
- `report` has the following properties:
  - `humidity`
  - `light level`
  - `temperature`
  - `soil moisture`
  - `time`: this is also the ID for the report
- All readings are measured at the same time, if wouldn't be very helpful if we measure them separately.

Changes to the `garden` are also documented (e.g. change lighting, watering soil, etc..), each time a device is changed, or an activity happens, it is saved into a log file, with:

- `time`: this also serves as the ID
- `category`: tells us what kind of change is happening (watering, heating, etc...)
- `description`: what happens? specific info? we can format this using software

`Warnings`: A warning message for the user when something went wrong (different types of warning leads to different `description` format), this is a weak entity with the parent `user`

- `time created`: this is also ID
- `description`: it contains all the necessary information about the problem, (e.g. the garden ID, the specific problem)