**Dormitory System**

In our system we have an Owner (described by personal data (name, surname), health status: Disabled and Healthy, if disabled need to add list of demands and if healthy – medical card) that can create dormitories, create rooms in dormitories and add create employments.

Dormitory registered in the system should be described by name, address (street, number) and rating (1-5).

Each dormitory has rooms, each has number, price, description, room size and minimum room size and room can’t exist without dormitory.

Residents (described by personal data (name, surname), phone number, optional email address and also health status: Disabled and Healthy, if disabled need to add list of demands and if healthy – medical card).

The resident must have either a residence permit (described by type and status) or documents (described by name and content) giving the opportunity to stay in the country.

Each resident can make a report if something happened. Report should have reported room and also description, can add resident permit, add document and create a reservation (A reserved room is described by: start date of the reservation, end date of the reservation and rent price (minimum time of reservation is 3 months).

Employees (described by personal data (name, surname), working phone numbers (must have at least one), and also health status: Disabled and Healthy, if disabled need to add list of demands and if healthy – medical card) that works in the dormitory should have an employment (described by start date of the employment, end date of the employment, monthly salary, penalty and actual salary that calculates depending on month salary and penalties that employee has).

In dormitory works 3 types of employees: Administrator that has different responsibilities and can create reservations, Security that has patrol Area, Cleaning Stuff that has cleaning Area. Employee can change their types, security can become cleaning stuff, administrator can become security etc. And also, Employee can have several types, at the same time an employee can be an administrator, a security and a cleaning stuff.

For all this type changing responsible administrator(s) of the dorm, also administrator can create a reservation and create an employment.

In dormitory also can be working residents that have all rights and opportunities of employee and resident and additionally have discount for living.