Role

NamedElement
- name : String

This assumes a directional view on doors and rooms.
From and To are purely conceptual and depend on the perspective (side of Door).

- roles   1..*

*

Person

- persons   - room

- person   IsInRoom

Room
- width : Integer
- height : Integer

1   *

From

- sourceRoom   - entries
1   *

To

- targetRoom   - exits

Door
- locked : Boolean
- vertical : Boolean

0..1

1   - protectedDoor

- protectedRoom

HasCardReaderSensor

Person may be out of this world ;-)

HasRoomSensor

1

0..1   - cardReaderSensor

Positionable
- x : Integer
- y : Integer

CardReaderSensor

*   - sensors

RoomSensor

Sensor

MidRangeRFIDSensor

CameraSensor

Missing parts:
AccessRules + AdaptationRules + Features