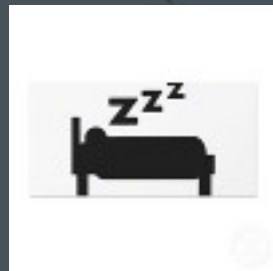


Scenario



Any risk ?



Normal ?

- Context
 - Action
 - Active
 - Cooking (1)
 - TakingShower (1)
 - Talking
 - Walking (1)
 - Passive
 - Lying (1)
 - Reading (1)
 - Sitting
 - Sleeping
 - Location
 - Room
 - Time
 - Day
 - Night (1)

- Person
 - Inhabitant
 - Adult
 - Child
 - DisabledPerson
 - Elderly
 - PregnantWoman

- Sensor
 - BodySensors
 - BloodPressure
 - BloodSugar
 - HearRate (5)
 - MobileSensors
 - Accelerometer
 - GPS

hasName

Arne

hasHeartRateOf

Value	Type
85	int

durationPreference

OneHourForShower

Sensor Data

hasAction

TakingShower_69

hasHealthCondition

LowRiskState_3

- HealthState
 - AbnormalState
 - HighRiskState (1)
 - LowRiskState (1)
 - NormalState (1)

Inferred

isInLocation

Bathroom_68

SWRL Rule

```

Person(?x) ^ LowRiskState(?n) ^ Passive(?y) ^ hasAction(?x, ?y) ^ hasHeartRateOf(?x, ?z) ^ swrlb:greaterThanOrEqualTo(?z, 81) ^ swrlb:lessThanOrEqualTo(?z, 120) ->
hasHealthCondition(?x, ?n)
  
```

Order of operations in API

- UpdateHealthStatusInOntology
 - load ontology, and selected person's data and show it .
- GetAskedPersonInfo
 - Access previously loaded owl and reach requested person's data (location, activity)
 - Each time when bpm changes, write it back to ontology with newly inferred health condition.