Functional Requirements:

- It should save consumption of energy
- It should reduce costs
- It should protect privacy
- It should store most of the knowledge about the house

Non-Functional Requirements:

- It should store most of the knowledge about the house
- It should be responsible for managing all the devices controlling the heating and lighting in the house
- It should be able to automatically negotiate the purchase of selling of energy to another households
- It should work without huge latency
- It should estimate the consumption of energy tomorrow
- It should forecast the energy generation
- It should be to decide to purchase based on the reliability of the household
- It should be provide as a service
- It should be easy to interact with people of different ages and capabilities
- It should be easy to accessible to people of different ages and capabilities
- It should be accessible remotely