

Control

Providing users with control over aspects of the smart home

The system should have permissions for privacy control

The user should be able to add other users to view the status

Option to opt out of information sharing

Option to have second layer of authentication for financial transactions

Safety

Ensuring the safety of the residents and of the home

The system must be able to be manually overridden (with appropriate permissions, like keys)

Have useful/safe default settings, such as your doors being locked

Ability to override safety features, e.g. if entering the house, prove that you aren't breaking in

Built in safety features for contacting emergency services in extreme

Security

Ensuring the security of the devices and of the home

Option to have second layer of authentication for critical security features (locks, garage door)

By default, devices are unaware which other devices are present in the house

Data that can be processed on-device should be (instead of in the cloud)

Secure method of connecting new devices

Modality

How users interact and engage with the system

There could be physical hub with a simple UI that shows information

The system could be accessible through a mobile and web app

Have digital setup guides, as well as paper ones, as these can easily be updated

Be able to get an overview of the device's features easily. e.g. by pressing a help button