Functional Requirements:

1. The main authentication method uses a fingerprint scanner.
   1. Fingerprints are enrolled in the system with the aid of the homeowner
2. The secondary authentication method uses a 4-digit numerical code, which can be entered in one of two ways:
   1. Over a Bluetooth connection on a cellphone, if allowed by the homeowner
   2. A keypad by each door
3. The 4-digit numerical code can be changed on a regular basis, which defaults to a 30-day period.
4. The main systems will have a secondary power source which will be able to power all necessary devices in the event of a power outage.
5. A final method for authenticating access to the house shall be with a key and lock system, which does not require power to operate.
6. In the event of an unsuccessful attempt to authenticate with the house, the homeowner will be notified via e-mail.
7. In the event of multiple unsuccessful attempts to authenticate with the house, all doors will lock, and the only method to unlock any doors will be to use the physical key.