Sample Questions on the SafeHome System

Functions

- **Essential questions (usually functional requirements):** Does SafeHome provide
  - Security zones to enable convenient configuration of sensors?
    - If so, how to define security zone? By grouping window sensor only? Or By grouping motion detectors only? Or by grouping both?
      - by control panels? By web gui? Or both?
  - Floor plan GUI?
    - Drawing of floor plan by a home user?
    - Dynamic reconfiguration of floor plan?
  - Multiple control panels?
    - If so, how to solve possible conflicts?
  - Multiple concurrent web accesses?
    - If so, how to solve possible conflicts?
  - How to handle concurrent requests from a control panel and web access?
  - Cameras to capture moving pictures or still pictures?
    - If so, how to maintain and access moving pictures? What is related security issues?
- **Non-essential, but useful questions (usually non-functional requirements):** Can SafeHome provide
  - Another way of remote connection (i.e. phone line) when internet access is broken?
  - Recording history of web access to the SafeHome to prevent hacking?
  - Backup power supplier when electric power is not supplied?
  - Statistics report on the pattern of usage?

Behaviors:

- How to allow web access to the SafeHome (i.e. login process)?
- How to arm/disarm the SafeHome system?
- How to access surveillance camera?
- How to configure the security zone?
- How to move the location of the motion detectors or window sensors?

Information

- What will be the type of password?
  - Plain 8 characters? Or USB keys? Or SmartCard?
- What will be the format of recorded moving pictures?
  - H.264 or MPEG2
  - How long the movie will be
  - Encrypted?
- What will be the reported result of motion detector?
  - Detected or not?
  - Moving direction and speed?