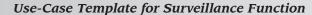
SAFE**H**OME

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Use case: Access camera surveillance via the Internet

Primary actor: HomeOwner

Goal in context: To view output of camera placed throughout the house from any remote location via the Internet

Preconditions: System must be fully configured; appropriate user ID and passwords must be obtained.

Trigger: The homeowner decides to take a look inside the house while away.

Scenario:

- The homeowner logs onto the SafeHomeAssured. com website.
- **2.** The homeowner enters his or her user ID.
- **3.** The homeowner enters two passwords (each at least eight characters in length).
- 4. The system displays all major function buttons.
- **5.** The homeowner selects "Surveillance" from the major function buttons.
- 6. The homeowner selects "Pick a camera."
- 7. The system displays the floor plan of the house.
- 8. The homeowner selects a camera icon from the floor plan.
- 9. The homeowner selects the "View" button.
- **10.** The system displays a viewing window that is identified by the camera ID.
- **11.** The system displays video output within the viewing window at one frame per second

Extensions:

- 1. ID or passwords are incorrect or not recognized. See use case Validate ID and passwords
- Surveillance function not configured for this system—system displays appropriate error

message. See use case Configure surveillance function.

- **3.** Homeowner selects "View thumbnail snapshots for all cameras." See use case View thumbnail snapshots for all cameras.
- A floor plan is not available or has not been configured—display appropriate error message. See use case Configure floor plan.
- **5.** An alarm condition is encountered. See use case *Alarm condition encountered.*

Priority: Moderate priority, to be implemented after basic WebApp functions

When available: Sixth increment

Frequency of use: Moderate

Channel to actor: Via PC-based or mobile device browser and Internet connection

Secondary actors: System administrator, cameras

Channels to secondary actors:

- 1. System administrator: PC-based system
- 2. Cameras: Wireless connectivity

Open issues:

- 1. What mechanisms protect unauthorized use of this capability by employees of CPI Corporation?
- **2.** Is security sufficient? Hacking into this feature would represent a major invasion of privacy.
- 3. Will the system response via the Internet be acceptable given the bandwidth required for camera views?
- 4. Will we develop a capability to provide video at a higher frames-per-second rate when highbandwidth connections are available?

Referring to the formal use-case template shown in the sidebar, the secondary scenarios are represented as extensions to the basic sequence described for *Access camera surveillance via the Internet.*

It's reasonable to ask whether all this is really necessary for every function that is identified. In general, it isn't. You should develop a narrative usage scenario

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