*Example Scenario Refinement Table*

|  |  |  |
| --- | --- | --- |
| **Scenario Refinement for Scenario N** | | |
| **Scenario(s):** | | When a garage door opener senses an object in the door’s path, it stops the door in less than one millisecond. |
| **Business Goals:** | | safest system; feature-rich product |
| **Relevant Quality Attributes:** | | safety, performance |
| **Scenario Components** | **Stimulus:** | An object is in the path of a garage door. |
| **Stimulus Source:** | object external to system, such as a bicycle |
| **Environment:** | The garage door is in the process of closing. |
| **Artifact (If Known):** | system’s motion sensor, motion-control software component |
| **Response:** | The garage door stops moving. |
| **Response Measure:** | one millisecond |
| **Questions:** | | How large must an object be before it is detected by the sys- tem’s sensor? |
| **Issues:** | | May need to train installers to prevent malfunctions and avoid potential legal issues. |

Page 21 of [Barbacci 2003]

[Barbacci 2003] Barbacci, Mario R., et al. *Quality Attribute Workshops (QAWs), Third Edition* (CMU/SEI-2003-TR-016). Software Engineering Institute, Carnegie Mellon University, 2003.

©2003, 2014 Carnegie Mellon University