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| Use Case 1 | View Camera |
| Related Requirements | N/A |
| Actor’s Goals | To view a live camera feed of the garden. |
| Participating Actors | -Camera |
| Preconditions | -The camera is successfully connected to the host computer. |
| Postconditions | -The user is presented with a live camera feed of the garden. |
| Flow of Events | |
| 1. At the host computer, the user will select the option, “View Camera” 2. The computer will request and receive the camera feed, and display it to the user. | |

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| Use Case 2 | Open/Close Water Valves |
| Related Requirements | -Store When Valves are opened and closed |
| Actor’s Goals | -To either open or close the water valves |
| Participating Actors | -Water Valves, SQL Server |
| Preconditions | -The water valves are successfully connected to the host computer. |
| Postconditions | -The water valves are either opened or closed by the user. |
| Flow of Events | |
| 1. At the host computer, the user will select either, “Open Water Valves” or, “Closer Water Valves” 2. Depending on which option the user selected, the water valves will either be opened or closed from the computer. 3. The SQL server is notified of this, and records the date and time when the operation is performed. | |

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| Use Case 3 | Lock/Unlock Gate |
| Related Requirements | -Store date/times when gate is locked/unlocked |
| Actor’s Goals | -To either lock or unlock the gate from the computer |
| Participating Actors | -Electronic Lock, SQL Server |
| Preconditions | -Lock is successfully connected to the computer. |
| Postconditions | -The lock is either locked or unlocked by the user. |
| Flow of Events | |
| 1. At the host computer, the user will select either, “Lock” or, “Unlock” 2. Depending on which option the user selected, the electronic lock will lock or unlock. 3. The SQL server is notified of this, and records the date and time when the operation if performed. | |

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| Use Case 4 | Check Humidity |
| Related Requirements | N/A |
| Actor’s Goals | -To remotely give the humidity to the user. |
| Participating Actors | -Humidity Detector |
| Preconditions | -The humidity detector is successfully connected to the computer. |
| Postconditions | -The humidity is displayed to the user |
| Flow of events | |
| 1. At the host computer, the user will be given statistics in the side bar, including the humidity. | |

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| Use Case 5 | Check Temperature |
| Related Requirements | N/A |
| Actor’s Goals | -To remotely give the temperature to the user. |
| Participating Actors | -Thermostat |
| Preconditions | -The thermostat is successfully connected to the computer. |
| Postconditions | -The temperature is displayed to the user |
| Flow of Events | |
| 1. At the host computer, the user will be given statistics in the side bar, including the temperature. | |

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| Use Case 6 | Check Soil Moisture |
| Related Requirements | N/A |
| Actor’s Goals | -To remotely give the soil’s moisture to the user |
| Participating Actors | -Soil Moisture Detector |
| Preconditions | -The Soil Moisture detector is successfully connected to the computer. |
| Postconditions | -The soil’s moisture level is displayed to the user |
| Flow of Events | |
| 1. At the host computer, the user will be given statistics in the side bar, including the temperature. | |

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| Use Case 7 | View Records |
| Related Requirements | Open/Close Water Valves, Lock/Unlock Gate |
| Actor’s Goals | -To view when the valves have been open or closed, and when the gate has been locked and unlocked. |
| Participating Actors | SQL Server, Water Valves, Electronic Lock |
| Preconditions | -N/A |
| Postconditions | -Records of the date/time when valves have been closed or opened, as well as when the lock has been locked or unlocked |
| Flow of Events | |
| 1. The user can select a “View Records” option. 2. The SQL server is accessed, and a list of dates and times when valves have been opened and closed as well as when the lock has been locked and unlocked is shown. | |