SE6301.009 P01- SHAS Testbed Product Backlog Team 9

# Product Backlog

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| **Priority** | **User Story** | **Story Points** |
| 1 | As an user I want a web interface in order to control SHAS Testbed system | 10 |
| 2 | As an User I want to be able to enters a username a password to log into the SHAS Testbed system | 5 |
| 3 | As an User I want to be able to set sprinkler settings from the SHAS system to reduce water usage | 2 |
| 4 | As an User I want to view water usage reports to be able to monitor water usage | 5 |
| 5 | As an User I want to view Electric usage report to be able to monitor electricity usage | 5 |
| 6 | As an User I want the SHAS system to monitor security sensors so that the system reports any unauthorized access | 10 |
| 7 | As an User I want the SHAS system to contact the police if security sensors a tripped for my safety | 10 |
| 8 | As an User I want the SHAS system to control HVAC settings to reduce energy consumption | 10 |
| 9 | As an User I want to be able to control HVAC settings to control house temperature through the SHAS system | 5 |
| 10 | As an User I want the SHAS system to monitor the fire, CO, gas alarms so that the system reports any emergencies | 5 |
| 11 | As an User when fire, CO, gas alarms are activated I want the SHAS system to contact the fire department for my safety | 10 |
| 12 | As an User I want to get notified when windows or doors are left open to reduce energy consumption | 2 |
| 13 | As an User I want a smart phone application to control SHAS system | 10 |
| 14 | As an User I want to be able to check Smart power outlets in use and sets their specific settings to monitor electricity usage | 10 |
| 15 | As an User I want to be able to turn on sunlight sensors that control room lights in order to save energy | 5 |
| 16 | As an User I want to be able to check the state of the lights of the SHAS and turns them on/off in order to save energy | 5 |

# Product Owner Questions

1. There is no existing Smart house to control with our system, Will this SHAS Testbed system’s goal to be a pure simulation?
2. There are several items that the SHAS system will control. Is there existing API/documentation/interfaces that we will use to set up the SHAS part of the system or are we to simulate those from scratch as well?
3. What defines energy efficiency? The maximum amount of energy savings would most likely to be to turn everything off, so is there some sort of optimization threshold that the owner needs to set? Otherwise it may be too hot or too cold depending on the season
4. In which type of environment should the Smart phone GUI and web page be built on?
5. Could you give us a schema about how to suggest customers the usage of energy or water to improve efficiency?
6. Do we need to control this system remotely?