**Case Study 2**

Step 1 – Understand the Problem

The client has requested a monitoring system for classrooms at their school. They have requested that students be able to check-in – tracking names and capacity. There has been a request for tracking of equipment statuses – Assuming if projector is on/off, lights on, computer status. A temperature gauge has been requested for the room to track and monitor temperature changes.  
The ability to pull a status report on the classroom has been requested – This should be able to be separated into either attendance, equipment status, temperature, or call all 3 at once.

When the room reaches capacity, a warning should be shown and additional persons should be refused entry. If the temperature is outside of the defined range (<16 degrees, >28 degrees), a warning should be displayed and entry denied. If equipment is experiencing issues, a warning should be displayed and IT alerted.

The users will include teachers, students, administrative staff.

