**Case Study 2**

Step 6 – Test

Access Cards:

Expected it to work and log access for students in an attendance tracker.

Expected to update the lecturer in the attendance tracker, and update the unit.

Expected Admin access to work – No logging or additional actions required

* When building ran into errors creating the solution – Most notably was relating to infinite loops
  + Resolved the issue by utilising a loop with continue
* Whilst implementing the logging for teachers and updating the class\_unit, I was running into KeyErrors due to how I was attempting to update the unit.
  + Updated the code to reflect that the teacherCards dict is nested.

Equipment status:

Expected roomState() keys to update accordingly  
 Successful

Expected the reportStatus() to return no errors when calling if the states weren’t updated:

* The biggest hurdle was stopping KeyErrors when attempting to call the report for the statusReport() function.
  + Resolved the error by attempting to get the value from the dict, but if there is no value setting it to unknown.

Attendance:

* Currently have an error where if the unit is not set, it returns <class: str>.
  + I have been unable to solve this issue, even by attempting to use the solution that I implemented for the Equipment status.
  + Will be asking AI how to error handle this in my AI integration (Step 7).