Assignment 4

(Requirements Review)

# Requirement 1

*Staff and students are issued with a card which provides them with access to those buildings which they authorized to use after normal working hours.*

**Review/Problem:** It might happen that they lose the card, or it might get stolen, security issues might happen, so Face ID must also be implemented along with the locks. To verify that it actually is the Staff member or Student entering the building.

# Requirement 2

*Access is implemented by wiping a personalized card though a card reader and, if entry is allowed, the door lock is released.*

**Review/Problem:** It might happen that the card got damaged and the card reader is not actually reading it correctly, the person can’t stay locked inside, or out. So, an alternative like pin code, or password should be allowed.

# Requirement 3

*Users must use the card to both enter and leave locked buildings.*

**Review/Problem:** The card should not be swipe only, each card must have a unique number, so if the person forgot the card at home, yet remembers the card-number he can enter the building, though the person should still be checked and matched to the database, using biometric or face ID.

# Requirement 4

*If a card is lost, it should be reported to the security office who will issue a new card and arrange for all access rights associated with the old card to be cancelled.*

**Review/Problem:** It must be the real owner of the card making the request of the new card. And the person (real owner) making the request must be cross checked before cancelling the old card and submitting the request for new one.