Modeling with UML (Solution)

Each professor can access his office:
context Professor inv: hasCard.canAccess→includes(ProfessorOffice)

Each assistant can access his office:
context Assistant inv: hasCard.canAccess→includes(AssistantOffice)

Each professor can access his assistants' offices:
context Professor inv: supervise→forAll(a | hasCard.canAccess→includes(a.Office))

A student can't access to a professor's or assistant's office:
context Student inv: hasCard.canAccess→
forAll(o | o.ProfessorOffice→isEmpty() && o.AssistantOffice→sEmpty())

Professors and assistance don't share offices:
context Professor inv: ProfessorOffice.AssistantOffice→isEmpty()