Entity-Relationship Diagram Assumptions:

- Each Lease can receive multiple Invoices over the course of its duration
- Multiple payments can be made for each Invoice
- Each Student can have multiple Next-of-Kin
- Advisor of Studies is not part of the University Accommodation Office Staff
- Each Advisor of Studies can advise multiple students
- Each Student has a single Advisor of Studies
- Each Student can sign multiple Leases over the course of their time at the university
- Each Course can contain multiple Students
- Each Room can have multiple Leases refer to it
- Each Accommodation option contains one or more Rooms
- Room number, place number, and rent have similar format across Flat rooms and Residence Hall rooms
- There are no Accommodation options other than Flats and Residence Halls
- Multiple Inspections can be performed on each Flat
- Each Hall Manager staff member can manage more than one Hall
- Each member of Office Staff can conduct multiple Inspections
- On each Lease, the date the Student wishes to enter/leave is not necessarily the same as the Lease start/end date, so it is not redundant to list that along with the lease duration
- People in the same Position can work in different Locations (so Location is not functionally dependent on Position)
- Courses can have the same name and still be in different Departments (e.g. "Research Methods")
- Identical Positions can exist in multiple advising departments (e.g. "career counselor"), so Department is not functionally dependent on Position
- A rentRate field is included in Lease, even though rentRate is already in the FlatRoom and HallRoom entities. While a JOIN can be used to determine current rentRate, storing rentRate in the Lease lets us determine rentRate at the time of a Student's specific Lease, in case Lease rentRate changes

PART 2: RELATIONAL MODEL

Student matriculationNo {PK} FK advisorNo REFERENCES AdvisorOfStudies (advisorNo) FK courseNo REFERENCES course (courseNo) firstName, lastName, streetAddress, cityAddress, postcodeAddress, dateOfBirth, sex, studentCategory, nationality, smoker, specialNeeds, additionalComments, currentStatus	**Lease** leaseNo {PK} FK flatPlaceNo REFERENCES FlatRoom(placeNo) FK hallPlaceNo REFERENCES HallRoom(placeNo) FK stuMatriculationNo REFERENCES Student(matriculationNo) rentRate, year, leaseDuration, entryDate, leaveDate
AdvisorOfStudies advisorNo {PK} firstName, lastName, position, department, telNo, roomNumber	**Payment** paymentNo {PK} FK invoiceNo REFERENCES Invoice(invoiceNo) amount, invoicePayDate, paymentMethod, firstReminderDate, secondReminderDate
HallOfResidence hallNo {PK} FK managerNo REFERENCES OfficeStaff(staffNo), hallName, streetAddress, cityAddress, postcodeAddress, telNo	**Inspection** inspectionNo {PK} FK flatNo REFERENCES Flat(flatNo) FK inspectorNo REFERENCES Staff(staffNo) inspectionDate, satisfactionCondition, comments
HallRoom placeNo {PK} FK hallNo REFERENCES HallOfResidence(hallNo) roomNo, rentRate	**Staff** staffNo {PK} firstName, lastName, streetAddress, cityAddress, postcodeAddress, dateOfBirth, sex, position, location
Flat flatNo {PK} streetAddress, cityAddress, postcodeAddress, roomsAvailable	**Course** courseNo {PK} courseTitle, courseYear, courseLeader, telNo, roomNo, deptName
FlatRoom placeNo {PK} FK flatNo REFERENCES Flat(FlatNo) roomNo, rentRate	**NextOfKin** kinNo {PK} FK studentNo REFERENCES Student(matriculationNo) firstName, lastName, relationship, streetAddress, cityAddress, postcodeAddress, telNo
	Invoice invoiceNo {PK} FK leaseNo REFERENCES Lease(leaseNo), semester, paymentDue