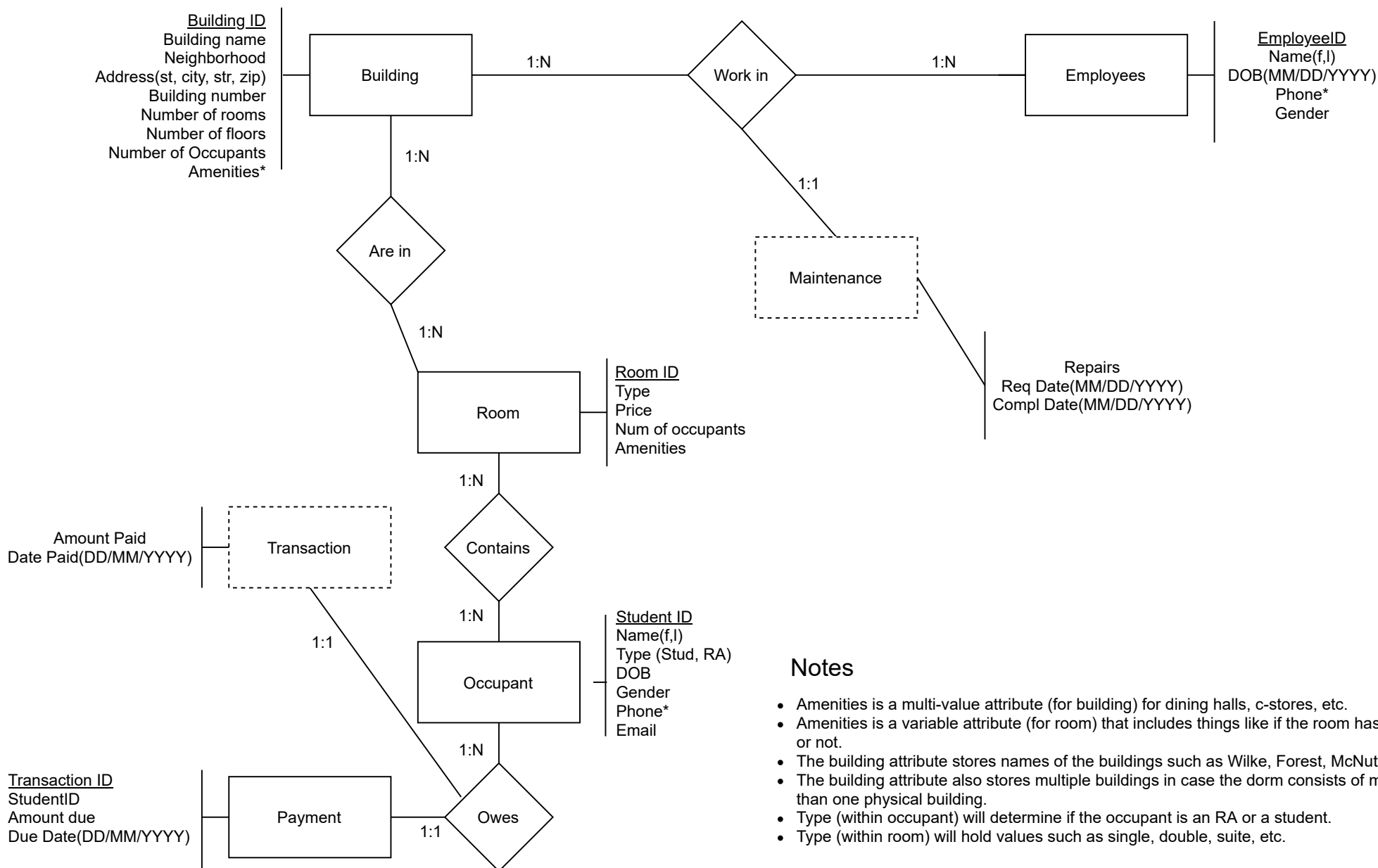


Team 2 : Quinn Phillips, Jasmine Hazelbaker, Abigail Pesce

Final ERD



Notes

- Amenities is a multi-value attribute (for building) for dining halls, c-stores, etc.
- Amenities is a variable attribute (for room) that includes things like if the room has A/C or not.
- The building attribute stores names of the buildings such as Wilke, Forest, McNutt, etc.
- The building attribute also stores multiple buildings in case the dorm consists of more than one physical building.
- Type (within occupant) will determine if the occupant is an RA or a student.
- Type (within room) will hold values such as single, double, suite, etc.

Team 2 *Quinn Phillips, Abigail Pesce, Jasmine Hazelbaker*

Relational Model

building(building_id, building_name, neighborhood, address, building_num, num_rooms, num_floors, num_occupants)

building_amenities(dining, cstore)

room(room_id, room_building^, type, price, num_occupants, amenities)

occupant(student_id, occupant_building^, fname, lname, type, dob, gender, email)

occupant_phone(phone, type)

employees(employee_id, employee_building^, fname, lname, dob, gender)

employees_phone(phone, type)

payment(transaction_ID, stud_id, amount_due, due_date)

maintenance(emplID^, maintenance_building^, repairs, req_date, comp_date)

transaction(studID^, transID^, amount_paid, date_paid)