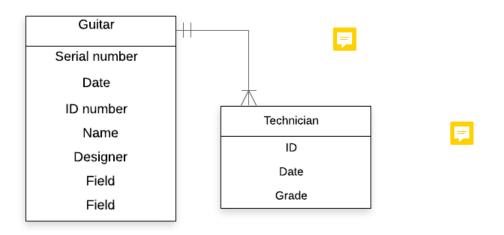
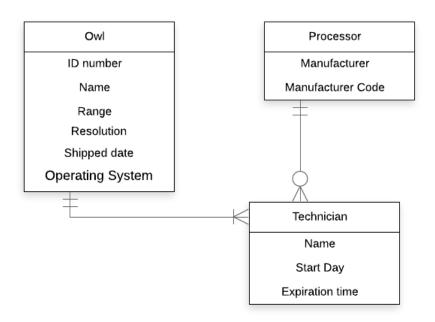
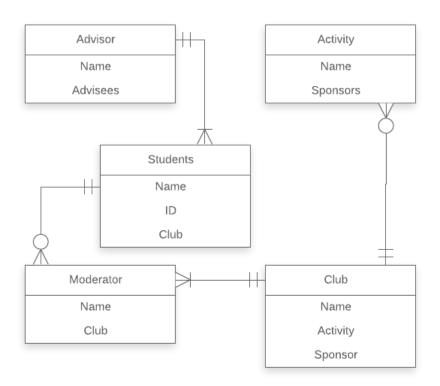
| | Guitar | Technician |
|------------|---------|--------------|
| Guitar | | Inspected by |
| Technician | inspect | |



| | Microphone / Camera | Processor | Technician |
|---------------------|---------------------|-----------|------------|
| Microphone / Camera | | holds | Worked by |
| Processor | Installed in | | |
| Technician | Worked on | | |

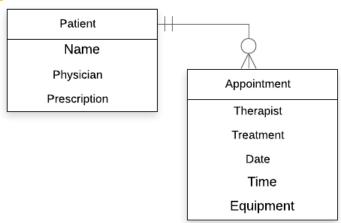


| | Student | Advisor | Clubs | Moderator | Activity |
|-----------|-----------|-------------|--------------|-----------|----------|
| Student | | Assigned to | Join | | |
| Advisor | assigned | | | | |
| Clubs | Joined by | | | Ran by | Sponsor |
| Moderator | | | runs | | |
| Activity | | | Sponsored by | | |

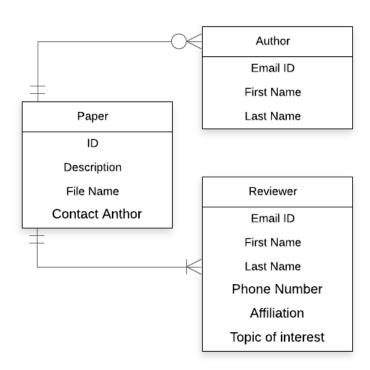


| | Patient | Appointment |
|-------------|------------|-------------|
| Patient | | visits |
| Appointment | Visited by | |





| | Author | Paper | Reviewer |
|----------|------------|-------|----------|
| Author | | Wrote | |
| Paper | Written by | | Rated by |
| Reviewer | | Rates | |



| Entity 1 | Cardinality Ratio | Entity 2 | Assumptions |
|----------------|-------------------|--------------------|------------------------|
| Student | M:M | Class | Teachers have to teach |
| | | | class rooms |
| Employee | 1:M | Dependent | |
| Supplier | 1:M | Parts | |
| Owner | 1:M | Registered_Vehicle | |
| Job_Applicants | M:1 | Company | |
| Airplane | 1:1 | Hangar | |
| Computer | 1:1 | Operating_System | |
| Faculty | 1:M | Course | |
| Course | M:1 | Course_Catalog | |
| Product | 1:1 | Price | |

3

- a. Yes
- b. No
- c. No
- d. Not enough detail on diagram
- e. No
- f. No
- g. Yes
- h. No
- i. The customers could be family members. A single customer could be connected to one or many other customers because they are family members.