# Relationship-entity Data Dictionary

Student Name: Zhulin Lyu Student ID: 24516605

Student Name: Student ID:

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| --- | --- | --- | --- | --- |
| Entity Name | Multiplicity | Relationship | Multiplicity | Entity Name |
| Clinic | 1..1 | hires | 1..\* | Surgeon |
| Clinic | 1..1 | assigns | 0..\* | Client |
| Surgeon | 1..\* | specializes | 1..\* | Treatment |
| Surgeon | 0..\* | has | 1..2 | Room |
| Surgeon | 1..\* | gives | 1..\* | Service |
| Patient | 0..\* | requires | 1..\* | Treatment |
| Patient | 1..1 | schedule | 1..1 | Surgeon |
| Patient | 1..1 | schedule | 1..\* | Appointment |
| Appointment | 1..1 | generates | 1..1 | Invoice |
| Invoice | 0..\* | identifies | 1..5 | Service |
| Invoice | 1..1 | sends | 1..1 | Bill |
| Customer | 1..1 | pays | 0..\* | Bill |
| Customer | 1..1 | responds | 0..\* | Patient |