# Relationship-entity Data Dictionary

Student Name: Zhulin Lyu Student ID: 24516605

Student Name: Student ID:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Entity Name | Multiplicity | Relationship | Multiplicity | Entity Name |
| Clinic | 1..1 | hire | 1..\* | Surgeon |
| Surgeon | 0..\* | use | 0..\* | Room |
| Surgeon | 1..1 | treat | 1..1 | Patient |
| Patient | 1..1 | treat | 1..1 | Room |
| Clinic | 1..1 | assign | 0..\* | Customer |
| Clinic | 1..1 | give | 1..\* | Service |
| Surgeon | 1..\* | give | 1..\* | Service |
| Patient | 0..\* | require | 0..\* | Treatment |
| Treatment | 1..1 | scheduledBy | 1..1 | Appointment |
| Appointment | 1..1 | generate | 1..1 | Invoice |
| Invoice | 0..\* | identify | 1..5 | Service |
| Invoice | 1..1 | send | 1..1 | BIll |
| Customer | 1..1 | pay | 1..\* | Bill |
| Customer | 1..\* | respond | 0..\* | Patient |