# Attributes Data Dictionary

Student Name: Zhulin Lyu Student ID: 24516605

Student Name: Student ID:

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| --- | --- | --- | --- | --- | --- |
| Entity or Relationship Name | Attributes | Description | Data Type and Length | Nulls | Multi-valued |
| Clinic | clinicNo | The number of this clinic | N 3 | no | no |
|  | clinicName | The Sharp Vision Eye Clinic | S 20 | no | no |
| Room | roomNo | PK; to identify a unique room | N 3 | no | no |
|  | roomName |  | S 5 | no | no |
|  | facility | What kinds of facilities are in this room |  |  |  |
| Surgeon | surgeonID | PK; a unique identifier code | S 2 | no | no |
|  | fName | A name combine with family name (S 20) and personal name (S 20) | C | no | no |
|  | lName | A name combine with family name (S 20) and personal name (S 20) | C | no | no |
|  | phoneNum | contact number | S 14 | no | 1~2 |
|  | qualification | What kinds of qualifications dose the surgeon have | S 10 | no | 1~3 |
|  | prescribedCode | FK; what kind of services the doctor can provide | S 4 | no | 1..\* |
| Customer | clientNo | PK; when they first become associated with the clinic and is used for them thereafter | N 8 | no | no |
|  | fName | A name combine with family name (S 20) and personal name (S 20) | C | no | no |
|  | lName | A name combine with family name (S 20) and personal name (S 20) | C | no | no |
|  | address | A address combination of street address and postcode | A | no | no |
|  | phoneNum | contact number | S 14 | no | 1~3 |
| Patient | medicareNo | PK; who is actually need to be treat | S 12 | no | no |
|  | fName | A name combine with family name (S 20) and personal name (S 20) | C | no | no |
|  | lName | A name combine with family name (S 20) and personal name (S 20) | C | no | no |
|  | gender | Patient’s gender  F ( Female)  M( Male) | S 1 | no | no |
|  | birthDate | Patient’s birthday | D | no | no |
|  | clientNo | FK;a customer who is currently responsible for paying for their treatment. | N 8 | no | 1..\* |
| Bill | billNo | PK; | S 10 | no | no |
|  | amount | How much about this bill | $ 3 | no | no |
|  | clientNo | FK; who pays this bill | N 8 | No | no |
| Service | prescribedCode | PK; the number of this service | S 4 | no | no |
|  | description | About what service is | S 20 | no | no |
|  | serviceFee | the current service fee | $ 3 | no | no |
|  | surgeonID | FK; which surgeon can privede this service | S 3 | no | 1..\* |
| Treatment | treatmentNo | eg. 0001( surgery) | S 4 | no | no |
|  | description | About what service is | S 20 | no | no |
|  | treatFee | the current service fee | $ 3 | no | no |
|  | surgeonID | FK; who can do this treatment | S 3 | no | 1..\* |
| Appointment | appointmentNo | PK; | S 10 | no | no |
|  | startDate | a particular date and starting time | D | no | no |
|  | startTime | a particular date and starting time on the hour | D | no | no |
|  | medicareNo | FK; who need to be treated | S 12 | no | no |
|  | treatmentNo | FK; what kind of treatment is neened | S 4 | no | no |
|  | surgeonID | FK; a surgeon who is scheduled in this treatment | S 3 | no | no |
| Invoice | invoiceNo | PK; a unique invoice number | N 5 | no | no |
|  | appointmentNo | FK; | S 10 | no | no |
|  | clientNo | FK; who schedules this appointment | N 8 | no | no |
|  | billNo | Fk | S 10 | no | no |
|  | prescribedCode | FK; this appointment needs what kind of services | S 4 | no | 1..5 |
|  | serviceSurgeon | FK; who gives those services | S 3 | no | 1..5 |
|  | createDate | When it create | D | No | no |
|  | finalDate | When updating status, need to update this date too | D | no | No |
|  | clinicalComment |  | S 200 | yes | no |
|  | totalFee | The amount from this appointment | $ 4 | no | no |
|  | status | ‘C’(“completed”)  ‘B’ (“bill sent”)  ‘P' (“paid”) | S 1 | no | no |
| use | useState | E (empty, can use)  P ( processing, treatment not finish yet)  F ( fixing facility) | S 1 | no | no |
| assign | assignDate | When a customer first come | D | no | no |
| schedule | schDate | When dose a customer schedule the appointment | D | no | no |
|  | schTime | What time dose a customer schedule the appointment | D | no | no |
| treat | treatDate | When surgeons need to use treatment room | D | no | no |
|  | startTime | what time dose the treatment start | D | no | no |
|  | finishTime | what time dose the treatment finish | D | Yes ( not finish yet) | no |