# 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 | INT(3) | no | no |
|  | clinicName | The Sharp Vision Eye Clinic | VARCHAR(30) | no | no |
| Surgeon | surgeonID | PK; a unique identifier code | CHAR(2) | no | no |
|  | name | A name combination of family name ,personal name and title | VARCHAR | no | no |
|  | fName | Composite of name | VARCHAR(20) | no | no |
|  | lName | Composite of name | VARCHAR(20) | no | no |
|  | title | Composite of name | CHAR(4) |  |  |
|  | phoneNum | contact number | CHAR(14) | no | no |
|  | qualification | What kinds of qualifications dose the surgeon have | VARCHAR(10) | no | 1..3 |
| Room | roomNo | PK; to identify a unique room | INT(3) | no | no |
|  | roomName | The name of this room. Like x-ray room | VARCHAR(5) | no | no |
|  | facility | What kinds of facilities are in this room | VARCHAR(10) | Yes | 1..\* |
| Client | clientNo | PK; when they first become associated with the clinic and is used for them thereafter | INT(8) | no | no |
|  | Name | A name combination of family name and personal name | VARCHAR | no | no |
|  | fName | Composite of name | VARCHAR(20) | no | no |
|  | lName | Composite of name | VARCHAR(20) | no | no |
|  | address | A address combination of street address and postcode | VARCHAR | no | no |
|  | street | street address | VARCHAR(45) | no | no |
|  | postcode | postcode (S 4) | CHAR(4) | no | no |
|  | phoneNum | contact number | CHAR(14) | no | 1~3 |
| Customer | payment | What kind of payment the customer can use | VARCHAR(10) | no | 1~3 |
| Patient | medicareNo | PK; who is actually need to be treat | CHAR(12) | no | no |
|  | DOB | Patient’s birthday | CHAR(10) | no | no |
| Treatment | treatmentID | PK; what kind of treatment dose this clinic can provide | CHAR(4) | no | no |
|  | Description | The detail of this treatment. | VARCHAR(20) | no | no |
| Service | prescribedCode | PK; the number of this service | CHAR(4) | no | no |
|  | description | The detail of this service. | VARCHAR(20) | no | no |
|  | serviceFee | the current service fee | INT(3) | no | no |
| Appointment | appointmentNo | PK; | CHAR(10) | no | no |
|  | startDate | It means when appointment will start according to the schedule. | CHAR(10) | No | no |
|  | startTime | It means what time appointment will start according to the schedule. It is made in hour blocks; on the hour. | CHAR(10) | no | No |
| Invoice | invoiceNo | PK; a unique invoice number | INT(5) | no | no |
|  | createDate | When it create | CHAR(10) | No | no |
|  | finalDate | When updating status, need to update this date too | CHAR(10) | no | No |
|  | clinicalComment | if one is provided | VARCHAR(200) | yes | no |
|  | totalFee | Derived attribute. The amount from this appointment | INT(4) | no | no |
|  | status | ‘C’(“completed”)  ‘B’ (“bill sent”)  ‘P' (“paid”) | CHAR(1) | no | no |
| Bill | billNo | PK; | CHAR(10) | no | no |
|  | amount | How much about this bill | INT(3) | no | no |
|  | payTime | When and what time the bill is paid | CHAR(20) | no | no |