# DATA DICTIONARY for DATABASE

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| --- | --- | --- | --- | --- | --- |
| Table Name | Attribute Name | Description | Data Type | PK or FK | FK Reference Table |
| Admin | AdminID | ID of the admin | NUMERIC(10) | PK |  |
|  | AdminName | Name of the admin people | VARCHAR(50) |  |  |
|  | AdminEmail | Email of the admin | VARCHAR(50) |  |  |
|  | AdminPassword | Password of the admin | VARCHAR(20) |  |  |
| ClassRoom | RoomID | ID of the room | VARCHAR(25) | PK |  |
|  | RoomType | Type of the room | VARCHAR(20) |  |  |
|  | RoomCapacity | Maximum capacity of the room | INT |  |  |

# DATA DICTIONARY for DATA FLOW DIAGRAM

## External Entity

**Name**: Nurse  
**Description**: Nurse receives patient relevant detail from patient and defines the corporate relevant detail and patient relevant detail to Add New Patient process and Add New Corporate Process.  
**Input Data Flow**: patient relevant detail, corporate relevant detail  
**Output Data Flow**: Patient relevant detail

**Name**: Patient  
**Description**: Patient gives out patient relevant detail for registration purpose and receive payment invoice from Manage Invoice process, and would then give out payment detail to Apply Payment process.  
**Input Data Flow**: patient relevant detail. Payment detail  
**Output Data Flow**: payment invoice

## Process

**Name**: 1.0 Fill Patient Detail  
**Description**: This process is responsible in sending the patient relevant detail from patient to nurse and the respective data will be defined and being used to register patient and to add new corporate detail.  
**Input Data Flow**: patient detail  
**Output Data Flow**: patient detail  
**Process Description**: Patient will acknowledge patient detail to the nurse by giving the nurse the patient relevant detail. Then the nurse will interprets the data and gives out corporate relevant detail among the patient relevant detail. The patient relevant detail will be used to add new patient and it will be stored into the Patient Record data store. The corporate relevant detail will be used to add new corporate and store it into Corporate Record Data Store. All of the data on this process can be categorized as patient detail.

**Name**: 2.0 Manage Patient  
**Description**: This process is responsible in managing the patient information, from searching patient account to update and delete patient account.  
**Input Data Flow**: patient detail  
**Output Data Flow**: patient detail  
**Process Description**: Doctor, Nurse, and Administrator can use some patient personal detail to search for patient account, and it will comes out the requested patient detail that fetch from Patient Record data source. From here, they could either update the information which pass the updated patient detail to Patient Record, or delete the account which pass the marked patient detail to the Patient Record.

**Name**: 3.0 Manage Medical Record  
**Description**: This process is responsible in managing the Patient Case and Patient Transaction, of which both Nurse and Doctor have authorities in Patient Transaction, but only doctor can manage Patient Case.  
**Input Data Flow**: patient illness detail, medical treatment detail  
**Output Data Flow**: patient illness detail, medical treatment detail  
**Process Description**: Doctor could search for the patient from Manage Patient process and all of the patient information will be shown. Doctor could then use the patient illness detail to Add Patient Case whereby it will pass the new patient illness detail to Patient Case Record, or update the Patient Case whereby it pass updated patient illness detail to the Patient Case Record. Both doctor and nurse can use medical treatment detail to Update Patient Transaction, and it will be stored into Patient Transaction Record.

## Data Store

**Name**: Patient Record  
**Description**: Store all patient detail and provide payment type during Apply Payment process.  
**Input Data Flow**: patient detail  
**Output Data Flow**: patient detail  
**Data Structure**: Patient Name, Gender, Address, Mobile Phone Number, Occupation, Payment Type, Allergy, Emergency Name, Emergency Mobile Number, Relationship with Emergency Contact

**Name**: Patient Case Record  
**Description**: Store all the patient case information which to be used during payment to know what services and items the patient has used.  
**Input Data Flow**: patient illness detail  
**Output Data Flow**: patient illness detail  
**Data Structure**: Patient ID, Doctor ID, Comment, Status, Check-in Date, Check-out Date, and Ward ID