
DATA DICTIONARY

A Data Dictionary is a collection of names, definitions, and attributes about data elements that are being used or captured in a database, information system, or part of a research project.

It describes the meanings and purposes of data elements within the context of a project, and provides guidance on interpretation, accepted meanings and representation.

A Data Dictionary also provides metadata about data elements. The metadata included in a Data Dictionary can assist in defining the scope and characteristics of data elements, as well the rules for their usage and application.

| Sr no. | Table Name | Description |
|--------|--------------------------------|---|
| 1. | Admin | Stores basic information of Admin. |
| 2. | Location | Stores Areas and their pincode. |
| 3. | Services | Stores service related information |
| 4. | Nurse Education | Stores Education Information |
| 5. | Requested Nurses | Stores information of nurses who wanted to get registered in system |
| 6. | Experience | Stores nurse service Experiences |
| 7. | Approval Status | Stores the approval status of requested nurse |
| 8. | System Nurses | Stores information of nurses who are approved by admin |
| 9. | Nurses Selected Service | Stores service charges of nurses |
| 10. | Nurse Selected Area | Stores information of area/location which nurse selected |
| 11. | Scheduling | Stores the information of free time slot of Nurse of a week(Every hour) |
| 12. | Nurse Transaction | Stores the Information of Nurse transaction |
| 13. | User/Patient | Stores the basic information of user/patient account |
| 14. | Request_Form | Stores the information of services related data of user |
| 15. | Multiple Services | Contains user selected services for request form |
| 16. | Accepted_Request_Form | Contains service status, total payment of requested service |
| 17. | Payment | Stores Information related to payment made by user |
| 18. | Login | Stores login information of user/nurse/admin |

1. Admin:

Primary Key: Admin_email

Foreign Key: -

| Field Name | Data Type | Size | Constraint | Description |
|------------------|-----------|------|-------------|--|
| Admin_email | Varchar | 255 | Primary Key | Email of Admin |
| Password | Varchar | 30 | NotNull | Login Password |
| Phone_no | Number | 10 | NotNull | Phone number of Admin |
| Created_by | Varchar | 255 | NotNull | Admin's email who have created another admin |
| Created_TimeDate | TimeDate | 60 | NotNull | Date and time when admin created another admin |

2. Location:

Primary Key: Pincode

Foreign Key: Admin_email

| Field Name | Data Type | Size | Constraint | Description |
|-------------------|-----------|------|-------------|---|
| Pincode | Number | 6 | Primary Key | Pin code of Area |
| Area Name | Varchar | 40 | NotNull | Name of Area |
| Zone | Varchar | 10 | NotNull | Zones |
| Admin_email | Varchar | 255 | Foreign Key | Admin mail id who has made changes |
| Modification_time | DateTime | 60 | NotNull | Time and Date when modification is done |

3. Services:

Primary Key: Sid

Foreign Key: Admin_email

| Field Name | Data Type | Size | Constraint | Description |
|-----------------------|-----------|-------|----------------|--|
| Sid | Number | 10 | Primary Key | Unique id for services |
| Service_name | Varchar | 30 | Unique | Service Name |
| S_charge | Decimal | (5,2) | NotNull | Service Charge |
| Description | Varchar | 1000 | NotNull | Description of Service |
| Photos | BLOG | | NotNull | Photos of Service |
| Admin_email | Varchar | 255 | Foreign Key | Admin mail id who has made changes |
| Modification_ time | DateTime | 60 | NotNull | Time and Date when modification is done |

4. Education:

Primary Key: Cid

Foreign Key: Admin_email

| Field Name | Data Type | Size | Constraint | Description |
|-------------------|-----------|------|-------------|--|
| Cid | Number | 10 | Primary Key | Unique number for course id. |
| Course_type | Varchar | 40 | NotNull | Type of courses done by nurse. [Degree, Diploma, Certified] |
| Admin_email | Varchar | 255 | Foreign Key | Admin mail id who has made changes |
| Modification_time | DateTime | 60 | NotNull | Time and Date when modification is done |

5. Requested Nurses:

Primary Key: Email

Foreign Key: Cid , Approval_Status

| Field Name | Data Type | Size | Constraint | Description |
|-----------------|-----------|------|-------------|---|
| Email | Varchar | 255 | PrimaryKey | Email id of Nurse |
| Name | Varchar | 40 | NotNull | Name Of Nurse |
| Password | Varchar | 30 | NotNull | Password of Nurse |
| Ph No | Number | 10 | NotNull | Ph No of Nurse |
| Gender | Char | 1 | NotNull | Gender of Nurse |
| Cid | Number | 10 | Foreign Key | Unique number for course id. (Education) |
| Certificate | BLOB | | NotNull | Registered Nurse or Course Certificate |
| Approval Status | Boolean | | Foreign Key | Status of approval [Accepted/Denied/Pending] (Approval Status) |

6. Experience:

Primary Key: Ex_id

Foreign Key: Email

| Field Name | Data Type | Size | Constraint | Description |
|---------------|-----------|------|-------------|---|
| Ex_id | Number | 10 | Primarykey | Unique number for Experience. |
| Email | Varchar2 | 255 | Foreign Key | Email id of Nurse (Requested Nurses) |
| Hospital_name | Varchar2 | 30 | NotNull | Name of hospital where nurse had done services. |
| from_date | Date | 60 | NotNull | Joining Date of nurse at hospital. |
| to_date | Date | 60 | NotNull | Leaving Date of nurse at hospital. |
| letter | BLOB | | NotNull | Nurse experience letter. |

7. Approval status:

Primary Key: Composite (Email, Admin_email)

Foreign Key: Email, Admin_email

| Field Name | Data Type | Size | Constraint | Description |
|----------------------|-----------|------|-------------|--|
| Email | Varchar | 255 | Foreign Key | Email id of Nurse (Requested Nurses) |
| Admin_email | Varchar | 255 | Foreign Key | Email id of Admin (Admin) |
| Approval_Status | Varchar | 20 | NotNull | Status of approval From admin [Accepted/Denied/Pending] |
| Reason | Varchar2 | 1000 | | Description of rejected Nurse |
| Approval_status_time | DateTime | 60 | NotNull | Time and Date when Approval is done |

8. System Nurses:

Primary Key: N_id

Foreign Key: Email,Amount

| Field Name | Data Type | Size | Constraint | Description |
|-----------------------|------------|-------|-------------|--|
| N_id | Number | 10 | PrimaryKey | Nurse ID |
| Email | Varchar | 255 | Foreign Key | Email id of Nurse |
| Amount | Decimal | (5,2) | Foreign Key | Nurse Earned Money (Nurse Transaction) |
| Profile_photo | Filestream | | NotNull | Profile photo of nurse |
| Modification_ time | DateTime | 60 | NotNull | Time and Date when modification is done |

9. Nurse Selected Services:

Primary Key: -

Foreign Key: N_id, Sid

| Field Name | Data Type | Size | Constraint | Description |
|------------|-----------|-------|-------------|---|
| N_id | Number | 10 | Foreign Key | Nurse ID (System Nurses) |
| Sid | Number | 10 | Foreign Key | Unique id for services (Services) |
| S_charge | Decimal | (5,2) | NotNull | Service Charge provided by nurse |

10. Nurse Selected Areas:

Primary Key:

Foreign Key: N_id, Pin code

| Field Name | Data Type | Size | Constraint | Description |
|------------|-----------|------|-------------|---|
| N_id | Number | 10 | Foreign Key | Nurse ID (System Nurses) |
| Pin code | Number | 6 | Foreign Key | Pin code of nurse selected Areas (Location) |

11. Scheduling:

Primary Key: Day

Foreign Key: N_id

| Field Name | Data Type | Size | Constraint | Description |
|------------|-----------|------|-------------|---|
| N_id | Number | 10 | Foreign Key | Nurse ID (System Nurses) |
| Day | Varchar | 6 | Primary Key | Day of the Week |
| Free_hours | Number | 5 | NotNull | Free Hours of nurse when she can provide her services. |

12. Nurse Transaction:

Primary Key: T_id

Foreign Key: N_id

| Field Name | Data Type | Size | Constraint | Description |
|------------|-----------|------|-------------|--------------------------------------|
| T_id | Varchar | 40 | PrimaryKey | Transaction id of Nurse |
| N_id | Number | 10 | Foreign Key | Nurse ID (System Nurses) |
| Datetime | Date | - | NotNull | Date of Transaction |
| Type | Varchar | 50 | NotNull | Type of Transaction |
| T_amount | Varchar | 30 | NotNull | Credited Amount |
| Amount | Decimal | 30 | NotNull | Nurse's Amount |

13. User/Patient:

Primary Key: Email

Foreign Key: -

| Field Name | Data Type | Size | Constraint | Description |
|-----------------------|-----------|------|------------|---|
| Email | Varchar | 40 | PrimaryKey | Email of User |
| password | Varchar | 30 | NotNull | Login password |
| Name | Varchar | 50 | NotNull | Name of User/Patient |
| Ph No | Number | 10 | NotNull | PH no. of User |
| Modification_ time | DateTime | 60 | NotNull | Time and Date when modification is done |

14. Request Form:

Primary Key: Request_id

Foreign Key: Email, Pincode

| Field Name | Data Type | Size | Constraint | Description |
|----------------------|-----------|------|-------------|---|
| Request_id | Number | 20 | Primary Key | Form ID for service request. |
| Email | Varchar | 255 | Foreign Key | Email ID of user (Patient) |
| Service time | Time | Time | NotNull | Time of service |
| Service Date | Date | Date | NotNull | Date of service |
| Address | Varchar | 70 | NotNull | Address of User |
| Pincode | Number | 6 | Foreign Key | Pin code of Area |
| Prescription | BLOG | | NotNull | Patient Prescription |
| Created_Req_ time | DateTime | 60 | NotNull | Time and Date when request from is created |

15. Multiple Services:

Primary Key: Composite Key (Request_id, Sid)

Foreign Key: Request_id, Sid

| Field Name | Data Type | Size | Constraint | Description |
|------------|-----------|------|-------------|--|
| Request_id | Number | 20 | Foreign Key | Form ID for service request. (Request Form) |
| Sid | Number | 10 | Foreign Key | Unique id for services (Services) |

16. Accepted Request Form:

Primary Key: Composite Key (Request_id, N_id)

Foreign Key: Request_id, N_id

| Field Name | Data Type | Size | Constraint | Description |
|-------------------|-----------|-------|-------------|--|
| Request_id | Number | 20 | Foreign Key | Form ID for service request. (Request Form) |
| N_id | Number | 10 | Foreign Key | Nurse ID (System Nurses) |
| Status | Varchar2 | 40 | NotNull | Status of Service [Pending ,Running, expired, completed.] |
| Payment Amount | Decimal | (5,2) | NotNull | Total service charges. |
| Accepted_Req_time | DateTime | 60 | NotNull | Time and Date when request form is accepted |

17. Payment:

Primary Key: Pay_id

Foreign Key: Request_id, N_id

| Field Name | Data Type | Size | Constraint | Description |
|------------|-----------|------|-------------|---|
| Pay_id | Number | 20 | Primary | Payment ID |
| Pay_time | Date | 60 | NotNull | Payment Date |
| Pay_type | Varchar2 | 20 | NotNull | Payment Type(online/offline) |
| Request_id | Number | 20 | Foreign Key | Request id |
| N_id | Number | 10 | Foreign Key | Nurse id |
| Pay_status | Boolean | | NotNull | Payment Status from 3 rd party |

18. Login:

Primary Key: - User_type

Foreign Key: Email

| Field Name | Data Type | Size | Constraint | Description |
|-------------|-----------|------|-------------|------------------------------------|
| Email | Number | 20 | Foreign Key | User who logs-in system |
| Time | DateTime | 60 | NotNull | Login Time |
| IP_address | Varchar | 20 | NotNull | IP Address of Patient, Nurse |
| Device_Info | Number | 50 | NotNull | Login Device Information |
| User_type | Number | 5 | Primary_Key | Type of User (Nurse,user,admin) |