**Hospital Management System**

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[**https://github.com/hkunti/DB-Project.git**](https://github.com/hkunti/DB-Project.git)

**March 28, 2022**

**Relational Database Design Process**

In the Hospital Management System database design, functions and events within the hospital are managed. A hospital admin can use it to register a patient, enter their disease details into the hospital database and manage their records. Data can be added, viewed, edited, updated, or deleted by any staff member, doctor, or administrator.

**Entity sets**

For my business, I will have the following entities:

1. Admin info – describes the admin handling the database and system
2. Doctor info – describe the doctor ID, name, gender, department and contact number.
3. Patient info – describes patient ID, name, age, gender, address and contact number.
4. Staff info – describes the ID, name, address, salary and contact number.
5. Bill info – describes the bill no, patient’s id, doctor charges, room charges, medicine charges.

**Entities and their attributes**

**Admin**

|  |  |
| --- | --- |
| **Fields** | **Data types** |
| Admin\_id | Integer |
| Name | varChar[20] |
| Gender | varChar[20] |
| Email | varChar[50] |
| Contact number | Integer |

**Doctor**

|  |  |
| --- | --- |
| **Fields** | **Data types** |
| Doctor\_id | Integer |
| Name | varChar[20] |
| Gender | varChar[20] |
| Department | varChar[50] |
| Contact\_No | Integer |

**Patient**

|  |  |
| --- | --- |
| **Fields** | **Data types** |
| Patient\_id | Integer |
| Name | varChar[20] |
| Gender | varChar[20] |
| Address | varChar[50] |
| Contact\_No | Integer |

**Staff**

|  |  |
| --- | --- |
| **Fields** | **Data types** |
| Staff\_id | Integer |
| Name | varChar[20] |
| Address | varChar[20] |
| Salary | Float |
| Contact\_No | Integer |

**Bill**

|  |  |
| --- | --- |
| **Fields** | **Data types** |
| Bill\_no | Integer |
| Patient\_id | Integer |
| Doctor\_charges | Float |
| Room\_charges | Float |
| Medicine\_charges | Float |
| Total\_Bill | Float |