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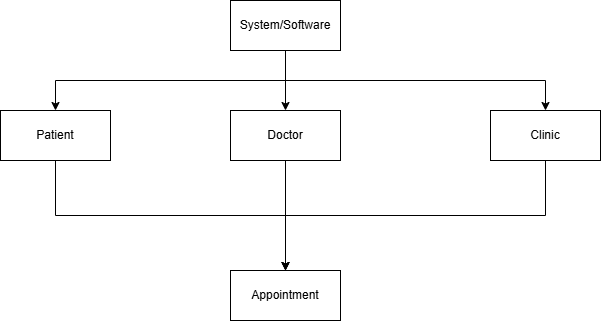
**Github link –** (Please refer the link for case study documentation)

**https://github.com/DnyaneshwarTamnar7/GetPrimeNumbersAnalysis**

High-Level Design (HLD) –

Entities –

1. Patient\_Info
2. Doctor\_Info
3. Clinic\_Info
4. Appointment\_Details
5. Time\_Slot
6. Clinic\_Doctor\_Info



Low-Level Design (L LD) –

1. Patient\_Info

|  |  |  |
| --- | --- | --- |
| **Field Name** | **Type** | Description |
| patient\_id | INTEGER (Primary Key) | Unique Patient Id |
| patient\_name | VARCHAR (N) | Patient Name of N length |
| patient\_contact | VARCHAR (N) | Patient Contact Information of length N |

1. Doctor\_Info

|  |  |  |
| --- | --- | --- |
| **Field Name** | **Type** | Description |
| doctor\_id | INTEGER (Primary Key) | Unique Doctor Id |
| doctor\_name | VARCHAR (N) | Doctor Name of N length |
| doctor\_speciality | VARCHAR (N) | Doctor Specialization of length N |

1. Clinic\_Info

|  |  |  |
| --- | --- | --- |
| **Field Name** | **Type** | Description |
| clinic\_id | INTEGER (Primary Key) | Unique Clinic Id |
| clinic\_name | VARCHAR (N) | Clinic name of N length |
| clinic\_location | VARCHAR (N) | Clinic location/address of length N |

1. Time\_Slot

|  |  |  |
| --- | --- | --- |
| **Field Name** | **Type** | Description |
| time\_id | INTEGER (Primary Key) | Unique Time Id |
| start\_time | DATETIME | Appointment Start Time |
| end\_time | DATETIME | Appointment End Time |

1. Clinic\_Doctor\_Info

|  |  |  |
| --- | --- | --- |
| **Field Name** | **Type** | Description |
| ID | INTEGER (Primary Key) | Unique Id |
| doctor\_id | INTEGER (Foreign Key) | Foreign Key to Doctor\_Info |
| clinic\_id | INTEGER (Foreign Key) | Foreign Key to Clinic Info |

1. Appointment\_Details

|  |  |  |
| --- | --- | --- |
| **Field Name** | **Type** | Description |
| appointment\_id | INTEGER (Primary Key) | Unique Appointment Id |
| appointment\_date | DATETIME | Appointment Date and Time |
| appointment\_status | VARCHAR (N) | Appointment Status (Completed/Incomplete/Reschedule/etc…) |
| patient\_id | INTEGER (Foreign Key) | Foreign Key to Patient Info |
| clinic\_id | INTEGER (Foreign Key) | Foreign Key to Clinic Info |
| doctor\_id | INTEGER (Foreign Key) | Foreign Key to Doctor Info |
| time\_id | INTEGER (Foreign Key) | Foreign Key to Time Info |

