

DATABASE DESIGN AND STRUCTURE

- Patient Collection :-

It will store data about the patients. It contains all the basic info about patient, emergency contact, insurance info and data about patient's health.

Health data is object which contains health data of patient date wise to show insights of patient health on dashboard.

Here's the structure of how patient data will look like:-

```
{
  _id: "507f1f77bcf86cd799439011",
  FirstName: "Ridham",
  MiddleName: "Dharmeshbhai",
  LastName: "Patel",
  Age: 22,
  Gender: 'Male',
  Height: 128.1,
  Smoke: 'No',
  Alcohol: 'No',
  Activity: 'High',
  allergies: 'i have allergies of tomatos',
  Symptoms: 'have fever from last 3 days and also have pain in body',
  Other_Complaints: '',
  Medications: 'just multivitamins',
  Recent_visits : ['06/12/2023' , '12/03.2022'],
  Doctor: ["507f1f77bcf86cd799439011"],
  Contact: {
    Address_line: '129, grace street',
    Address_line_2: '2',
    City: 'Jersey City',
    Zip_Code: '07307',
    State: 'NJ',
    Contact_Number: 5088788685,
  },
  Emergency_Contact: {
```

```
    Name: 'dev panchal',
    Contact_Number: ''
  },
  Insurrance: {
    Member_ID: '20010321',
    Group_Number: '023457',
    Plan_Type: 'PPO',
    Primary_Care_provider: 'aetna'
  },
  health_data: {
    '10/09/2023': {
      Weight: 140,
      Systolic_Blood_Pressure: 120,
      Diastolic_Blod_Pressure: 80,
      Cholesterol: 200,
      Glucose: 200,
    },
    '10/010/2023': {
      Weight: 140,
      Systolic_Blood_Pressure: 120,
      Diastolic_Blod_Pressure: 80,
      Cholesterol: 200,
      Glucose: 200,
    },
  },
};
```

- Doctor Collection :-

It will store data about doctors at this clinic or hospital. It contains basic details of doctor, their license details and patients they are monitoring.

Here's the structure of how doctor's data will look like:-

Doctor

```
{
  _id: "507f1f77bcf86cd799439011",
  FirstName: "Ridham",
  MiddleName: "Dharmeshbhai",
  LastName: "Patel",
  Age: 22,
  Gender: 'Male',
  Specialization: ['cardiologist', 'general-checkup'],
  Patients: ["507f1f77bcf86cd799439011",
"507f1f77bcf86cd799439011"],
  workingOn : ["monday", "Tuesday" , "Sunday"],
  Licence: {
    Number: '005434342',
    Issue_Date: '05/16/2021',
    Expiration_Date: '02/24/2028',
  }
};
```