Branch (**branch#**, branchName, branchAddress, managerID)

Foreign Key managerID REFERENCES Manager (staffID);

|  |  |  |  |
| --- | --- | --- | --- |
| **Branch#** | branchName | branchAddress | managerID |
| 101 | Alpha | New York | 00012 |
| 102 | Epsilon | Philadelphia | 00015 |
| 103 | Zeta | Chicago | 00016 |
| 104 | Theta | Boston | 00017 |
| 115 | Lambda | Los Angeles | 00018 |

Staff (**staffID**, fName, lName, branch#)

Foreign Key branch# REFERENCES Branch (branch#);

|  |  |  |  |
| --- | --- | --- | --- |
| **staffID** | fName | lName | branch# |
| 00012 | John | Doe | 101 |
| 00015 | Leonardo | DiCaprio | 102 |
| 00016 | Paul | Smith | 103 |
| 00017 | Brad | Pitt | 115 |
| 00018 | Harry | Potter | 105 |
| 00019 | Zoey | Kravitz | 103 |
| 00020 | Freddy | Krueger | 105 |
| 00021 | Dwayne | Carter | 102 |
| 00025 | Monica | Lewinsky | 115 |
| 00028 | Gareth | Bale | 101 |

Manager (**managerID**)

Foreign Key managerID REFERENCES Staff (staffID);

|  |
| --- |
| **managerID** |
| 00012 |
| 00015 |
| 00016 |
| 00017 |
| 00018 |

Receptionist (**receptionistID**)

Foreign Key receptionistID REFERENCES Staff (staffID);

|  |
| --- |
| **receptionistID** |
| 00019 |
| 00020 |
| 00021 |
| 00025 |
| 00028 |

Department (**dept#**, deptName, branch#)

Foreign Key branch# REFERENCES Branch (branch#);

|  |  |  |
| --- | --- | --- |
| **Dept#** | deptName | branch# |
| D-0123 | Surgery | 101 |
| D-0122 | Medicine | 102 |
| D-0120 | Paediatrics | 103 |
| D-0124 | Dental | 104 |
| D-0125 | X-Ray | 115 |

EmploymentRecord (**dept#, physicianID**)

Foreign Key dept# REFERENCES Department (dept#);

Foreign Key physicianID REFERENCES Physician (physicianID);

|  |  |
| --- | --- |
| **dept#** | **physicianID** |
| D-0123 | 03426 |
| D-0122 | 03427 |
| D-0120 | 03428 |
| D-0124 | 03429 |
| D-0125 | 03430 |

Physician (**physicianID**, fName, lName, specialty)

|  |  |  |  |
| --- | --- | --- | --- |
| **physicianID** | fName | lName | specialty |
| 03426 | Mary | Johnson | Surgery |
| 03427 | Veronica | Brown | Medicine |
| 03428 | Bejamin | Franklin | Paediatrics |
| 03429 | Jenkins | Doe | Dental |
| 03430 | Dennis | Brown | X-Ray |

Patient (**patientID**, phoneNumber, fName, lName)

|  |  |  |  |
| --- | --- | --- | --- |
| **patientID** | phoneNumber | fName | lName |
| 02325 | 2158759835 | John | Flomo |
| 02326 | 2155780098 | Henry | Newton |
| 02327 | 2159820523 | Emmanuel | Smith |
| 02328 | 2159029032 | Samuel | Larry |
| 02329 | 2150098578 | Joseph | Smith |
| 02423 | 2152089457 | Michelle | Branch |
| 02456 | 2155780098 | Larry | Page |
| 02457 | 2154529630 | Harsh | Ramesh |
| 02458 | 2154529981 | Gautam | Yami |
| 02463 | 2158970567 | Dilmil | Singh |
| 02489 | 2153455430 | Chris | Roland |

Treatment (**treatment#**, medrecordID, treatmentdate, treatmentdesc, patientID, physicianID)

Foreign Key patientID REFERENCES Patient (patientID);

Foreign Key physicianID REFERENCES Physician (physicianID);

Foreign Key medrecordID REFERENCES PatientHistory (medrecordID);

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **treatment#** | medrecordID | treatmentdate | treatmentdesc | patientID | physicianID |
| 55670 | 98205 | 10/21/2022 | Knee replacement | 02325 | 03426 |
| 00675 | 90290 | 05/02/2003 | Xray | 02326 | 03427 |
| 01123 | 34357 | 11/23/2010 | Wellness visit | 02327 | 03428 |
| 40128 | 32760 | 04/09/2021 | Dental cleaning | 02328 | 03429 |
| 49087 | 17221 | 08/12/2022 | X-ray | 02329 | 03430 |
| 50110 | 17222 | 04/23/2022 | Hip replacement | 02423 | 03426 |
| 50120 | 17223 | 09/24/2019 | Stiches | 02456 | 03427 |
| 51000 | 17224 | 11/21/2022 | X-ray | 02457 | 03428 |
| 51010 | 17225 | 09/12/2018 | Dental implant | 02458 | 03429 |
| 52001 | 17226 | 07/30/2021 | X-ray | 02463 | 03430 |
| 53001 | 17227 | 07/11/2017 | Pacemaker implant | 02489 | 03426 |

Insurance (**insuranceID**, patientID, insurancCompany)

Foreign Key patientID REFERENCES Patient (patientID);

|  |  |  |
| --- | --- | --- |
| **insuranceID** | patientID | insuranceCompany |
| 901 | 02325 | United Health |
| 906 | 02463 | CIGNA |
| 905 | 02327 | Humana |
| 908 | 02458 | CIGNA |
| 913 | 02329 | HCSC |
| 914 | 02326 | Aetna |
| 915 | 02328 | CIGNA |
| 916 | 02489 | United Health |
| 917 | 02423 | Aetna |

PatientHistory (**medrecordID**, **patientID**, startDate, description, physicianID)

Foreign Key patientID REFERENCES Patient (patientID);

Foreign Key physicianID REFERENCES Physician (physicianID);

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **medrecordID** | **patientID** | startDate | description | physicianID |
| 98205 | 02325 | 10/19/2022 | Arthritis | 03426 |
| 90290 | 02326 | 05/01/2003 | Headache | 03427 |
| 34357 | 02327 | 11/20/2010 | Running nose | 03428 |
| 32760 | 02328 | 04/07/2021 | Gum disease | 03429 |
| 17221 | 02329 | 08/09/2022 | Bone fracture | 03430 |
| 17222 | 02423 | 04/20/2022 | Arthritis | 03426 |
| 17223 | 02456 | 09/21/2019 | Wound | 03427 |
| 17224 | 02457 | 11/20/2022 | Cough | 03428 |
| 17225 | 02458 | 09/10/2018 | Cavities | 03429 |
| 17226 | 02463 | 07/28/2021 | Bone fracture | 03430 |
| 17227 | 02489 | 07/09/2017 | Cardiovascular | 03426 |

Appointment (**apptID,**  receptionistID, patientID, apptTime)

Foreign Key receptionistID REFERENCES Receptionist(receptionistID);

Foreign Key patientID REFERENCES Patient (patientID);

|  |  |  |  |
| --- | --- | --- | --- |
| **apptID** | receptionistID | patientID | apptTime |
| 1604 | 00019 | 02325 | 28-MAY-2018 08:00:00 |
| 1854 | 00020 | 02463 | 21-NOV-2019 09:00:00 |
| 2109 | 00021 | 02327 | 28-AUG-2020 10:00:00 |
| 7864 | 00025 | 02458 | 02-DEC-2021 11:00:00 |
| 8856 | 00028 | 02329 | 30-MAY-2022 12:00:00 |
| 1605 | 00019 | 02326 | 26-JUN-2019 08:30:00 |
| 1855 | 00020 | 02328 | 16-NOV-2021 09:30:00 |
| 2110 | 00021 | 02423 | 15-AUG-2020 10:30:00 |
| 7865 | 00025 | 02456 | 08-JAN-2021 11:30:00 |
| '8857 | 00028 | 02457 | 22-FEB-2022 12:30:00 |
| 8858 | 00028 | 02489 | 21-MAR-2022 08:40:00 |
| 1856 | 00020 | 02328 | 20-JAN-2022 09:40:00 |
| 2111 | 00021 | 02423 | 05-OCT-2020 10:40:00 |
| 7866 | 00025 | 02456 | 25-DEC-2022 11:40:00 |
| 8859 | 00028 | 02457 | 25-DEC-2022 12:40:00 |

Billing (**bill#,** billingDate, billingAmt, patientID)

Foreign Key patientID REFERENCES Treatment (treatmentID);

|  |  |  |  |
| --- | --- | --- | --- |
| **bill#** | billingDate | billingAmt | treatmentID |
| 501 | 10/21/2022 | 1000.00 | 55670 |
| 502 | 05/02/2003 | 200.00 | 00675 |
| 503 | 11/23/2010 | 80.00 | 01123 |
| 504 | 04/09/2021 | 100.00 | 40128 |
| 505 | 08/12/2022 | 200.00 | 49087 |
| 506 | 04/23/2022 | 1500.00 | 50110 |
| 507 | 09/24/2019 | 250.00 | 50120 |
| 508 | 11/21/2022 | 200.00 | 51000 |
| 509 | 09/12/2018 | 600.00 | 51010 |
| 510 | 07/30/2021 | 200.00 | 52001 |
| 511 | 07/11/2017 | 2000.00 | 53001 |

Payment (**payment#**, paymentDate, paymentAmt, patientID)

Foreign Key patientID REFERENCES Patient (patientID);

|  |  |  |  |
| --- | --- | --- | --- |
| **payment#** | paymentDate | paymentAmt | patientID |
| 1031 | 12/19/2022 | 100.00 | 02325 |
| 1056 | 06/01/2020 | 150.00 | 02463 |
| 1186 | 08/20/2010 | 125.00 | 02327 |
| 2098 | 05/07/2021 | 200.00 | 02458 |
| 2135 | 04/15/2022 | 175.00 | 02329 |
| 2136 | 11/19/2022 | 175.00 | 02457 |
| 2137 | 09/21/2017 | 500.00 | 02458 |
| 2138 | 11/03/2020 | 300.00 | 02458 |
| 2139 | 10/10/2018 | 200.00 | 02463 |
| 2140 | 08/28/2021 | 300.00 | 02327 |