**Application Data: Dental Clinic DBMS**

A Dental Clinic database was chosen as the topic of focus for our design. The direction of this database is to organize and simplify the information of the employees, patients and supply orders. This will also allow the clinic to access the information of the patient, update patient data and schedule as well as cancel appointments. Product orders will also be implemented to enable the tracking and sending of outgoing and incoming orders to supply the clinic with dental products.

**Functions:**

CreateAppointment()

cancelAppointment()

rescheduleAppointment()

orderSupplies()

createNewPatient()

updatePatientData()

createNewEmployee()

updateEmployeeData()

Treats()

Pays()

**Operational Data:**

Person

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| \*Person\_ID | **Name** | **Date\_Of\_**  **Birth** | **Phone\_**  **Number** | **Street\_Address** | **City** | **Postal\_Code** | **Country** |

Employee

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| \*Employee\_ ID | **Person\_ID** | **Salary** | **Date\_Hired** | **Schedule** |

Receptionist

|  |  |  |
| --- | --- | --- |
| \*Recpetionist\_ID | **Employee\_ID** | **Receptionist\_Certification** |

Patient

|  |  |  |
| --- | --- | --- |
| \*Patient\_ID | **Person\_ID** | **Insurance\_Provider** |

Dentist

|  |  |  |
| --- | --- | --- |
| \*Dentist\_ID | **Employee\_ID** | **Dental\_Certification** |

Clinic

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| \*Clinic\_ID | **Street\_Address** | **City** | **Country** | **Postal\_Code** |

Treatment

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| \*Treatment  \_ID | **Patient**  **\_ID** | **Dentist**  **\_ID** | **Treatment** | **Date\_Of\_Treatment** | **Time\_Of\_Treatment** |

Supplier

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| \*Supplier\_ID | **Company\_Name** | **Street\_Address** | **City** | **Country** | **Postal\_Code** |

Product

|  |  |  |  |
| --- | --- | --- | --- |
| \*Product ID | **Supplier\_ID** | **Quantity** | **Name** |