**Optimized Logical Schema (Version 1)**

No optimizations made to logical schema. De-normalized logical schema is the same as the normalized logical schema in BCNF. Logical schema is already fully optimized.

**Final Logical Schema**

Dentist(ID, Name\*)

Assistant(ID, Name\*)

Appointment(ID, PatientID\*, DentistID\*, Procedure\*, AssistantID, DateOfService\*, TimeIn\*, TimeOut\*)  
PatientID references Patient.ID; DentistID references Dentist.ID; Procedure references Procedure.name; AssistantID references Assistant.ID

Procedure(Name, Cost\*)

Patient(ID, Name\*, Street\*, City\*, State\*, Zip\*, DateOfBirth\*, DentalInsurance)

AssistantHoursWorked(AssistantID, Name, [Hours\_Worked])