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**Optimized Logical Schema Version.1 Based on: Normalized Logical Schema Version.1**

**Normalize Lookup Data**

There is no need to normalize lookup data because every table contains an unique key attribute.

**De-Normalization**

There were no changes made to the Logical Schema during normalization.

**Optimized Logical Schema**

**Groomer**(GroomID, Name\*, HoursWorked\*)

**Assistant**(AssistID, Name\*, HoursWorked\*)

**Customer**(ID, Name\*, Street\*, City\*, State\*, Zip\*, DateOfService)

**Pet**(AniID, AnimalName\*, RabiesDone\*)

**Visit**(GroomID, AssistID, StartOfAppointment\*, EndOfAppointment\*, Total\*)

**GroomID references Groomer.GroomID; AssistID references Assistant.AssistID;**

**Visit\_NameOfProcedures**(GroomID, NameOfProcedure)

**GroomID references Groomer.GroomID;**

**Visit\_CostOfProcedures**(GroomID, CostOfProcedure)

**GroomID references Groomer.GroomID;**