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**Physical Schema Version.2 Based on: Logical Schema Version.3**

Change Summary

* Version 3:
  + Changed all Bill to Visit
  + Moved *Street, City, State, Zip, DateOfService* from old Visit to Customer
  + Added *StartOfAppointment, GroomID, AssistID,* and *EndOfAppointment* to Visit
  + Added *GroomID* to Visit\_NameOfProcedure and Visit\_CostOfProcedure
  + Removed *AniID* from Visit\_NameOfProcedure and Visit\_CostOfProcedure
  + Removed *StartOfAppointment* and *EndOfAppointment* from both Groomer and Assistant
* Version 2:
  + Removed: Register
  + Added *RabiesDone\** to Pet
  + Added *TimeIn, TimeOut* to Bill
  + Changed the color of text from red to black
  + Spaced out each table

Bill(…)

Visit(…)

Bill(..., ~~Street\*, City\*, State\*, Zip\*, DateOfService\*~~*,* …)

Customer(..., **Street\*, City\*, State\*, Zip\*, DateOfService\****, …*)

Assistant(..., ~~StartOfAppointment\*, EndOfAppointment\*~~)

Groomer(..., ~~StartOfAppointment\*, EndOfAppointment\*~~)

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

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

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

Visit\_NameOfProcedures(~~AniID~~**,** *…*)

Visit\_CostOfProcedures(~~AniID~~**,** *…*)

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~~Register(...)~~

~~References~~

Register(..., ~~RabiesDone\*~~, …)

Pet(..., **RabiesDone\***)

Register(..., ~~TimeIn, TimeOut~~, …)

Bill(..., **TimeIn, TimeOut,** ...)

Customer(...)

Customer(...)

Assistant(...)

*~~Extra Space~~*

Pet(...)

**Use column and table constraints in design:**

CREATE TABLE IF NOT EXISTS Groomer

(

GroomID NOT NULL PRIMARY KEY … ,

Name NOT NULL CHECK(CHAR\_LENGTH(TRIM(Name)) > 0) … ,

HoursWorked NOT NULL … ,

StartOfAppointment NOT NULL ... ,

EndOfAppointment NOT NULL CHECK(EndOfAppointment > StartOfAppointment) … ,

);

**Physical 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;