/I tried underlining the keys on visio and it won't let me, hence my diagrams don't have keys underlined**/**
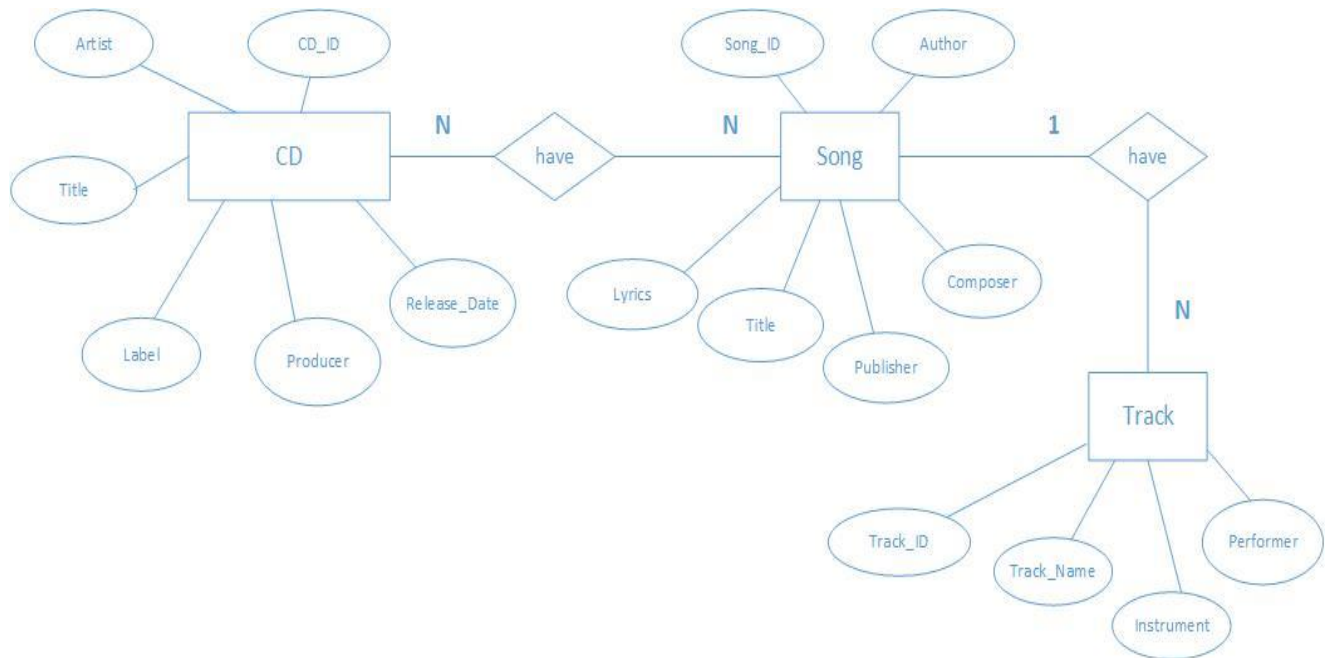
Q1:

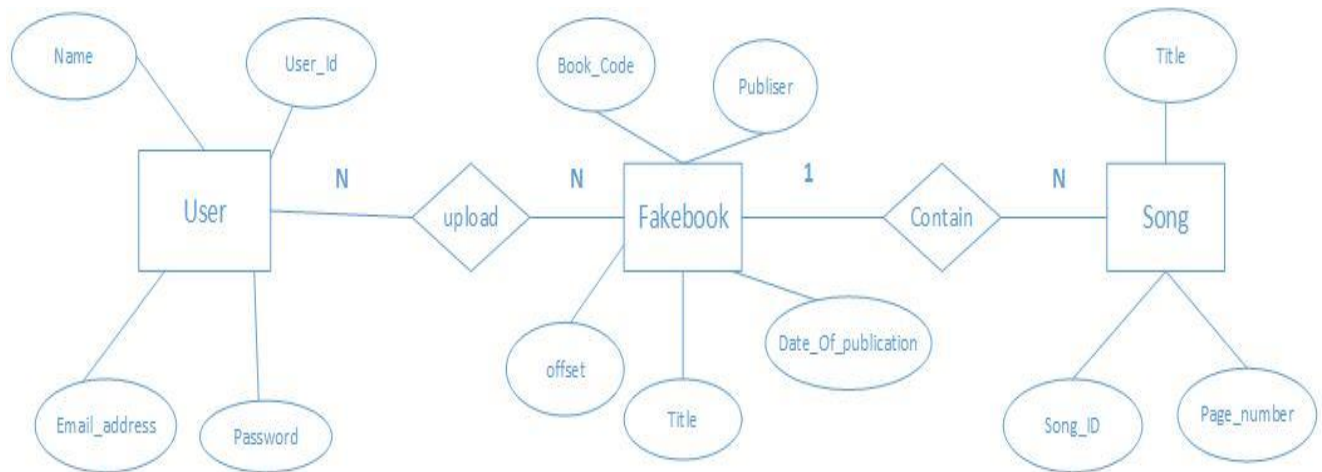**Schema:**

CD					
CD_ID	Artist	Title	Label	Producer	Release_Date

CD-Song	
CD_ID	**Song_ID**

Song					
Song_ID	Title	Composer	Publisher	Lyrics	Author

Track				
Track_ID	**Song_ID**	Track_Name	Instrument	Performer

Q2:

Schema:

User			
User_Id	**Email_address**	Password	Name

User-Fakebook	
User_Id	**Book_Code**

Fakebook				
Book_Code	Offset	Publisher	Title	Date_of_publication

Song			
Song_ID	**Book_Code**	Page_number	Title

Q3:
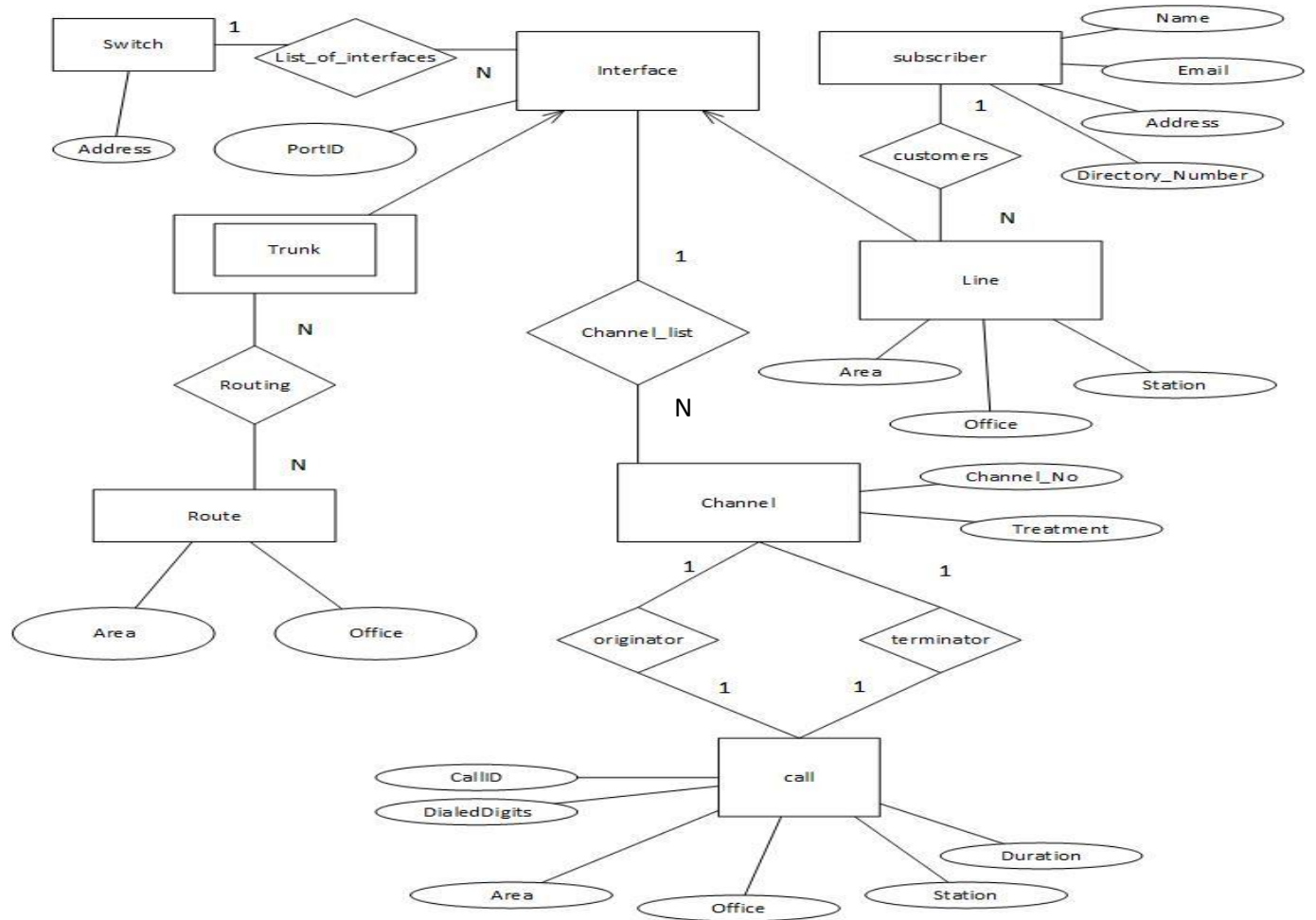
Schema:

Switch
Address

Interface	
Address	**PortID**

Trunk	
Area	**Office**

Routing	
Area	**Office**

Route	
Area	**Office**

Channel		
PortID	**Channel_No**	Treatment

Call					
CallID	**Station**	**DialedDigits**	Area	Office	Duration

Subscriber			
Directory_Number	**Email**	Address	Name

Line				
Directory_Number	**Email**	**Station**	Office	Area

Q4:
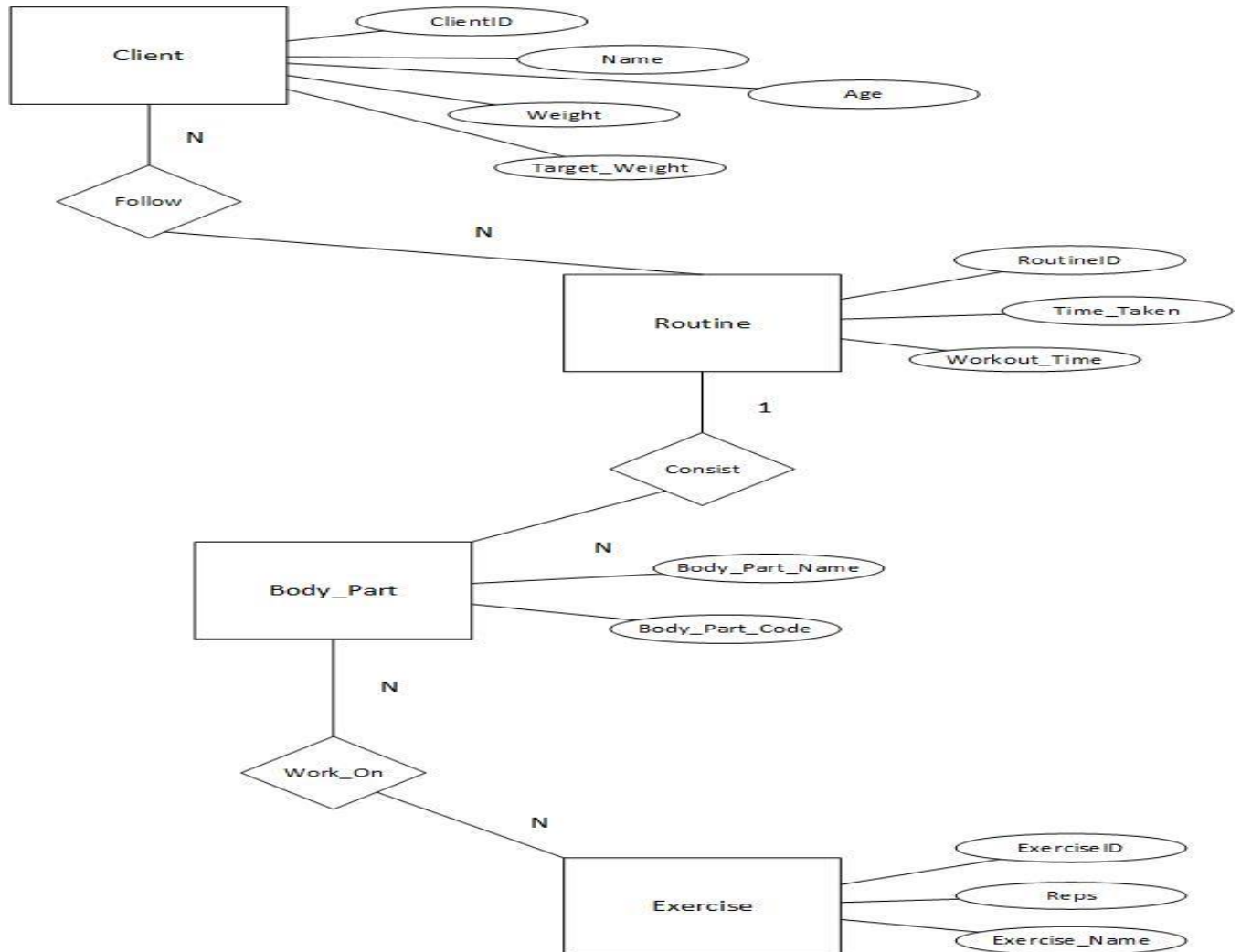
Client				
ClientID	Name	Age	Weight	Target_Weight

Follow	
ClientID	**RoutineID**

Routine		
RoutineID	Workout_Time	Time_Taken

Body_Part		
RoutineID	Body_Part_Code	Body_Part_Name

Work_On	
Body_Part_Code	**ExerciseID**

Exercise		
ExerciseID	Exercise_Name	Reps

Copied scenario from assignment#1

For this COMP 3005 course project, I would like to propose on building a database based on fitness. It's an enormous industry with a lot of individuals of all ages that take part in fitness related activities. As per the fitness trend these days, using the gymnasium, having self-progress logs and keeping track of progress of certain exercises and personal goals is very much on the hype. Personally, I was motivated to work on such a topic, because fitness is something I've always been immensely passionate about. Since I started working out and logging progress in note books and following routines, it's become hard to keep track, trace and look up my own progress, through all those pages. Thus I thought having this opportunity; I could work and merge my idea and passion, through a means of making a personal logging database on my fitness routines.

Initially the database will be something that individuals could use to keep track of their fitness progress. Where they would be able to add themselves to a profile, follow routines, perform exercises in those routines and log how they performed. When required after a certain period of time, at their will, they would be able to query their logs and witness their desired progress for over a period of time, either for certain exercises or just their personal goals.