Pierrre Blanc-Fatin
Matthieu Laurendeau
Nicolas Parent

Data Base Assignement, Part I :

It's winter, you are surrounded with snow-covered mountains. Would you follow us for a tour in the ski resorts ?

A *ski resort* is contained in one *domain,* but a domain can contain a certain number of *ski resort.* Also, *domain* is defined by a unique gps position**.**
A *ski resort* has a unique name and a gps position**.** The *ski resort* disposes of *Mechanical Lifts a*nd is deserved by *Transports.* It also has *Buildings,* that are of the following classes *Hotels, Restaurants* and *Shops.*
Each building has a unique conjonction of name and address. *Hotels, Restaurants* and *Shops* have their own attributes...
A *Customer* is identified by a unique name, he has a gender, an age, a level, and a practice (ski, snow…). *A Customer* can use a *Transport*, may buy a ski pass, take ski classes.
A *Piste* has a unique name, a color (green, blue, red and black) and a the length of the slope. On a *Piste* can occur a ski class. One piste is accessible from at least one lift.
A *ski pass,* has a unique id**,** a starting and ending date. It allows to access some *Mechanical Lifts.* It is bought by one customer.
A *Mechanical Lift* has a unique name**,** it has a type (gondola lift, ski lift, button lift) and also a capacity number . It gives access to some pistes.
A *Transport* is designated by a unique id, a type (bus, car or other) **,** we save the actual number of passager and the capacity of this mean of transport. It can be taken by *Customers* to come and leave the station at given dates , for a given cost.
A ski class involves *Customers,* an *Instructor,* and *Course, Slopes,* it has a beginning and ending date. *Courses* are designated by a unique course level and number of participants, we save its price**.**
Instructors have a unique name, and a level of experience.

TO EDIT THE UML DIAGRAM: https://www.lucidchart.com/invitations/accept/58694903-a0ed-4caa-8489-c796b469c258