Joon Im
Matthew Zaldana
Steven Dao
Group 9

Designing Entities Definitions

Course
- A Course is an educational unit of teaching led by one or more instructors and consists of one or more students. A course lasts for one academic term and covers a single subject.
● section
  ○ A section is an integer which defines a designated group of the course in which specific students will be held within a certain roster.
● courseCode
  ○ A course code is an integer which uniquely identifies the course.
● name
  ○ A name is a String which describes the title of the course.
● description
  ○ A description is a String which briefly describes the main learning objectives of the course.
Car
- A Car is an automotive vehicle, capable of transporting multiple people or luggages from point A to point B.
● Model
  ○ A model is a string which identifies the vehicle.
● Year
  ○ Year is an integer indicating the time that vehicle was made.
● Drivetrain
  ○ Drivetrain is a string indicating whether the vehicle is All Wheel Drive, Rear Wheel Drive, or Front Wheel Drive?
● Color
  ○ Color is a string identifying what shade the car's paint is.
● Transmissions
  ○ Transmission is a string that identifies whether or not the car is automatic or manual.
● Chassis
  ○ Chassis is a string identifying what type of body the car has, i.e. sedan, coup, etc.
● Condition
  ○ Condition is a string identifying what the status of the vehicle is, i.e. old or new.
● Mileage
  ○ Mileage is an integer indicating how many miles the car has run for.
Dog
- A Dog is a domesticated mammal of a type breeds, with a name and age, distinct to itself, with one or more colors

- Name
  - A name is a string which identifies the dog when called upon
- Breed
  - A breed is a string which characterizes the ancestral composition of the dog
- Age
  - Age is an int which defines the amount of years the dog has been alive
- Color
  - Color is an int which defines the visual aspect look of the dog
- Chip Tracking ID
  - A chip tracking ID is a chip placed surgically into the dog that uniquely identifies it with a string of numbers as a int, made from a hash value