JAVASCRIPT  
1. Four classes have been created in this JAVASCRIPT project.  
Draw a class diagram in the space below showing the classes  
(including their attributes and methods) and relationships.  
  
(1 mark)  
  
  
JAVASCRIPT  
2. In the setup method of the Controller class write code that to create the following DogOwners using the addDogOwner method that exists in the Kennel class.  
  
  
ID First Name Last Name Birth Date  
BMC Brad McCaw 12/13/1982  
RTH Richie Thorn 8/05/1980  
DEL Dan Ellis 16/02/1984  
ACR Andrew Carter 30/11/1987  
  
  
NOTE: the defect in this data is deliberate – fix it!  
  
(2 marks)  
  
  
JAVASCRIPT  
3. Write a getDogOwners method for Kennel class that displays data about the DogOwners.  
  
The required output is:  
  
Andrew, Carter [ACR]  
Brad, McCaw [BMC]  
Dan, Ellis [DEL]  
Richie, Thorn [RTH]  
  
NOTE: Punctuation and spacing and ORDER must also be as shown above.  
  
(3 marks)  
  
  
JAVASCRIPT  
4. Write an addDog method for the DogOwner class that can be used to create a new Dog.  
Note: You will need to add some code in the Dog class as well.  
  
(4 marks)  
  
JAVASCRIPT  
5. In the setup method of the Controller class write code to create the following Dog, using the addDog method that has been created previously.  
NOTE: You will have to use the findDogOwner method in the Kennel class  
  
DogOwnerID Name Breed Gender Favorite Food  
BMC Speedy Pomeranian N Ekanuba  
RTH Victor Beagle M Chef  
RTH Killer Mastiff N Purina  
DEL Ruftero Poodle F Ekanuba  
DEL Sausage Dachshund F Purina  
ACR Random Mastiff F Cat  
  
  
(5 marks)  
  
JAVASCRIPT  
6. Write a boolean get method named hasOneDog in the DogOwner class that returns true if the number of dogs that person owns is one and false otherwise.  
  
(2 marks)  
  
JAVASCRIPT  
7. Write a getThoseWithOneDog method for the Kennel class that first lists for each DogOwner who has exactly one dog, the DogOwner's details and then lists underneath the details of the Dog as shown below.  
This method must call the method created in the previous question.  
The required output is:  
  
Andrew, Carter [ACR]  
 Random (F) the Mastiff likes to eat Cat  
Brad, McCaw [BMC]  
 Speedy (N) the Pomeranian likes to eat Ekanuba   
  
NOTE: The order shown above is the required order. Punctuation and spacing must also be as shown above.  
  
(8 marks)

HOW TO SUBMIT YOUR COMPLETED TEST  
When you have finished the test, zip and send. /src folder to the digital drop box on Moodle.  
You must check with one of the tutors that this has been done properly before you leave the room.  
If your work has not been loaded into digital drop box while you are in the room your test will not be marked.