Criterion A:

Problem description:

My client, Bautista Negro walks dogs. He started this job in 2019 and has been at It for the last two years. My client's problem is how he stores all the information and data from this job. He has been using paper and pen for the last few years since he doesn't like technology much and has multiple books with information. This makes it hard to keep track of everything, from the days when specific dogs are taken out to economic expenses. This, on multiple occasions, has made him write down wrong addresses and even lose money or overpay people. This is also bad from a health point of view since he also inserts all of the dog's veterinarian history in these books and many times, when he is required to take the dog to the vet and gets the dog´s records mixed up. All this has made him lose customers.

Solution:

After the interview with my client, I thought up a solution to this problem: creating a Java application. This program will be able to hold the owner's and dogs' personal information. It will store images, show the address, and have a place to keep all of the medical histories, from past injuries to vaccines. It should be able to add, delete, modify and search different dogs by a random ID. It will also show a schedule of when a dog needs to be taken for a walk. It also should be able to store the monthly payment of an owner. It should also be able to add discounts and do some other basic math to help my cousin out. Java is easy to use, easy to write on, assemble and debug. Java is object-oriented, allowing you to use many programs and reuse code as many times as necessary. It is also the language we learned in class.

Criteria for success:
1. It should be user-friendly since my cousin is not good with computers
2. It should be able to store information after exiting their program
3. It should be able to add dogs with all of the information
4. It should be able to show the days when the dogs are taken out
5. Show the user what the payment is monthly for a specific dog
6. It must be able to work with monthly payments and modify them
7. It should store the image with the clinical vet information

Word count: 399 words