CS497 Assignment4

1. **Please create a webserver for an ML inference. Please use either your own Final projects’ inference or diabetes dataset logistic regression inference.**
2. It shall have a web server which starts with ./server.sh command. It shall respond to the following get.sh and post.sh client commands.

./server.sh (may display server name and port number)

1. It shall have two client scripts - get.sh and post.sh.

./get.sh - gets information from your server and prints. The information include your name, the project name, and current date/time.

A sample output:

**Gheni Abla**

**Cat vs. Dog image classification server.**

**April 28th, 2020**

./post.sh - sends data to your server, receives inference results and display the results. Any other scripts and relevant data path must be handled (and hardcoded) in this script.

A sample output:

Gheni Abla

**Cat vs. Dog image classification server.**

**The image you’ve submitted is classified as a: dog**

**April 28th, 2020**

1. **Grade:**

Total: 25

1. **Submission**
2. Create folder and name it <LastName>\_Assignment4
3. Pleace server.sh, post.sh and get.sh commands in this <LastName>\_Assignment4 folder
4. Create <LastName>\_README.docx file. It shall have 3 sections:
   1. ML Web Server Description

-Just two-three sentences about what this server does, used data sets, model etc.

- If worked in a group, please mention all the collaborators name.

* 1. Testing the Web Server and Clients
     + How to test the server and its clients
  2. Screen Captures of Test Run
     + Place at least **two screen capture images** while you are running the web server and its clients based on section b of your document.
     + Screen capture images shall clearly show the client and server outputs.

1. Any other scripts, codes and image files shall be placed in sub directories.
2. Compress and create .gzip file named <LastName>\_Assignment4.gzip and upload it to Assignment4 of course’s Assignment4 section.