CIS 150 LAN Configuration Project
10/7/18

Equipment List, Tasks and Parameters:

- ☐ **Group Size** = Up to 6 people per group (Based upon Professors instructions).
- ☐ **Equipment =** 3 Switches and 6 Computers (2 computers per switch).
- ☐ **Total Time** = 45 minutes (Automatic ZERO after time).
- ☐ **Note 1 =** Complete all work before asking to be graded. Changes will not be allowed.
- ☐ **Note 2** = Notes may be used on this project.
- ☐ **Note 3** = Group score is received by entire team regardless of area of error (Remember to check each other's work).
- ☐ **Note 4** = Completing the project individually will result in a score of "0".
- ☐ **Note 5 =** To earn the listed points, group members may have to perform actions or commands related to the tasks
- ☐ **Note 6** = Amount of lost for failed tasks may exceed 100 points in total.
- ☐ **Note 7** = All hostnames must be as listed below and passwords must be "Password1".

Switch Configuration:

- ☐ **(-30 Points if absent)** = Perform PASSWORD RECOVERY on all switches before doing any other tasks (No previous vlans or other configurations can exist!)
- ☐ **(-10 Points if absent)** = Switch interfaces #1 and #2 must be used to connect switches.
- ☐ **(-10 Points if absent)** = PC's must use interfaces #3 and #4 on each switch.
- ☐ **(-40 Points if absent)** = Switches and PC's must have the following configurations:
  - o HQ_1st_Floor, IP address 169.254.0.2 with Class "B" mask.
  - o HQ_2nd_Floor, IP address 169.254.0.3 with Class "B" mask.
  - o HQ_3rd_Floor, IP address 169.254.0.4 with Class "B" mask.
  - o PC's must be configured to receive APIPA.
- ☐ **(-10 Points if absent)** = All switches must have password protection on "Privileged Mode".
- ☐ **(-10 Points if absent)** = All switches must be able to use telnet.
- ☐ **(-40 Points if absent)** = All devices must be able to be pinged.
- ☐ **(-10 Points if absent)** = All passwords must be encrypted.
- ☐ **(+20 Points Extra Credit)** = On command, selected student must locate the "Bad PC" by Hostname or MAC address and disable the port to which the "Bad PC" is connected without damaging any other PC's ability to ping.

Group Total Grade:_____

Member #1_____ Member #2 _____

Member #3 _____Member #4_____

Member #5 _____Member #6_____