**IT 3110: Systems Automation**

**Shell Scripting 4**

**Assignment**

This assignment will hone your skills as a Bash shell programmer.

**Tasks**

Create the following script:

A script which automates the creation of an NFS share (mkdir), puts the correct entries in `/etc/exports`, and then mounts that share on all clients.

You may optionally choose to automatedly add a line to `/etc/fstab` for these mounts.

A sample run of your script might look like this:

```
./script.sh <sharename> <mountpoint>
./script.sh /shares/fruit  /nfs/fruit
```

Thus, your script would automatically create the `/shares/fruit` directory on your nfs server (if it didn’t already exist). Or create whatever sharename was passed into the script. Then it will need to add a line to `/etc/exports`. Then it may need to run `exportfs -a` to make that new nfs share visible to clients. Then your script would ssh to all your machines and create the new mountpoint like `/nfs/fruit`, and mount your share.

**Report**

Take a print screen of your scripts running. Also upload your scripts.

**Submission**

- Submit your report and images to the **SCRIPT 4** assignment in the Canvas