| “Install a WR300N Wireless router, Install a SmartPhone, a Wireless Tablet  and a Laptop” | * I add wireless router from NETWORK DEVICES -> WIRELESS DEVICES: WRT300N WIRELESS ROUTER * I add laptop, tablet, and smartphone from END DEVICES: LAPTOP-PT, TABLETPC-PT, SMARTPHONE-PT |
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| I add a wireless module | * Turn off laptop * Remove the old ethernet module * Replace the old module with the Linksys-WPC300N module * Turn on device |
| “Enable and configure DHCP on Wireless router.” | * I went to GUI -> SETUP: set “Internet connection type” to Automatic Configuration DHCP * I click on “enable” boolean in GUI -> SETUP -> DHCP SERVER SETTINGS |
| “Change the IP pool for DHCP to be 192.168.0.54 to 192.168.0.60” | I go to GUI -> SETUP:   * I set start IP address as 192.168.0.54 * I set the maximum number of users as 7 |
| “Configure the SSID name to be “SkillsDemo..” and add your own initials” | I go to GUI -> WIRELESS -> BASIC WIRELESS SETTINGS:   * I set my SSID as “SkillsDemoJohnD” |
| “Secure the network by configuring WPA - Personal key.” | I go to GUI -> WIRELESS -> BASIC WIRELESS SECURITY:   * I set the security Mode as “WPA Personal” |
| “Select Encryption key TKIP with passphrase “Brennan22 ”” | I go to GUI -> WIRELESS -> BASIC WIRELESS SECURITY:   * I set the encryption as “TKIP” * I set the passphrase as “Brennan22 |
| “Change the Router password to be “CyberSecurity24”.” | I go to GUI -> ADMINISTRATION -> ROUTER ACCESS   * I set the router password as “CyberSecurity24” |

| “Setup Mac address filtering for the devices you are installing on your wireless network.” | I go to CONFIG -> WIRELESS0   * Copy the MAC Address of each devices     I go to the wireless router GUI->WIRELESS -> WIRELESS MAC FILTER   * Enable ACCESS RESOLUTION * Permit PC listed * Enter said MAC addresses into the client list |
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| “Show that the Topology is working on Infrastructure mode” | I go to DESKTOP -> PC WIRELESS |
| “Demonstrate that you have made a connection with all the devices.” |  |
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| “Demonstrate that there is a two way communication between all the devices by using the Command Prompt” | I go to each devices DESKTOP -> COMMAND PROMPT   * I confirm ip address by writing “ipconfig” * I take note of all ip addresses * I ping the devices with each other using the command line “ping” then the ip address of the 2 other devices. This is repeated 3 times   Laptop pinging tablet and phone  Tablet pinging laptop and phone    Phone pinging tablet and laptop |
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