**Lesson 2.1 – Information Architecture**

**\*\*Instructions:** Please change the text color of your responses to red text. Please organize the endings to each page.

**Activity 2.1.3 – E-Commerce Architecture**

1. Design a network topology for the Amazon’s ecommerce site.
2. Discuss and answer the following questions related to information CIA.
   1. What servers are directly connected to the internet?
   2. Your passive analysis did not uncover Amazon's customer and employee data.
      1. Why do you think this is?
      2. Where do you think customer information for Amazon customers would be stored?
      3. Where do you think employee information would be stored?
3. Which categories of Bikes, Boards, and Beyond information did you determine should:
   1. Be more confidential?
   2. Have greater integrity?
   3. Have higher availability?
4. Illustrate all necessary hardware within the network.
5. Describe the information architecture represented in the topology. Specifically, identify where different types of information should be stored, who should have access to it, and whether encryption is required.
6. Create a network topology diagram to document your design of the Bikes, Boards, and Beyond network.
   1. ***\*\*COMPLETE ON SEPARATE SHEET AND STAPLE TO THE BACK OF THIS DOCUMENT.***
   2. ***Students should use their Ecommerce CIA Information Table to identify where on the network information is stored and accessed, and whether or not it should be encrypted.***
      1. Product catalog
      2. Customer Information
      3. Order Information
      4. Website Information
      5. Employee Information
7. Conclusion
   1. Compare your design to another team’s design. Is there anything you’d like to improve or would recommend to the other team to modify? Explain your thoughts.
   2. Is there such a thing as “too much security”? Why or why not?