Unit One: The Internet
Performance Task: The Internet and Society

Description:
For this project you will prepare an artifact and a written summary related to one of the major issues listed below about the Internet and its effects on people and society. This artifact should convey key information in a visual, insightful and clear manner. The written document should concisely convey the following:

1. Provide information on your computing issue and computational artifact.
    a. Name the internet issue that is represented by your computational artifact.
    b. Describe your position on the issue.
    c. Describe how your computational artifact illustrates, represents, or explains the issue
2. Describe the beneficial and harmful effects of your issue
    a. the impact of both the beneficial and the harmful effect;
    b. Include evidence to support these two positions
    c. Include evidence that supports the impact on society, the economy or culture
3. Provide three complete references. Cite or attribute the references within the text.
    3a. 3b. 3c.

You must NUMBER your document with the appropriate sections above (1a, 2c, etc.)

PLEASE NOTE: YOUR WRITTEN DOCUMENT MAY NOT EXCEED 400 WORDS. Your references will not be counted in the word count.

Name the documents:
Artifact: lastname_firstname_Unit1_artifact
Written Summary: lastname_firstname_Unit1_WrittenSummary

Purpose:
The purpose of this artifact and your written document is for you to demonstrate your knowledge of the Internet and how it works, and to connect that to a relevant topic that has an impact on people and society that you care about.

Who is your audience? Not everyone knows as much about the Internet and how it works as you do now. Your artifact should be directed at a person (or people) you care about and who you want to inform about this issue. You should provide them with enough technical detail that they can understand why and how it affects them, and the benefits and drawbacks of responses to the issue.

The Issues
Pick one of the three issues below to research and prepare your artifact:

Issue	Things to look for
1. Net Neutrality Net Neutrality is the principle that all Internet traffic should be treated equally by Internet Service Providers. However, there are legitimate reasons to treat certain kinds of traffic differently.	Packets, TCP, IP Address, Protocols
2. Internet Censorship Censorship is the control of what can be accessed, published, or viewed on the Internet. It may be carried out by governments or by private organizations or individuals. Most people believe in having some amount of both freedom of speech and censorship at the same time.	TCP, IP, DNS, URL, HTTP
3. Advanced option: Protocol Vulnerabilities and/or Hacks The most common Internet protocols have certain vulnerabilities that attackers can take advantage of. For this option you should pick one of the common protocols: HTTP, DNS, TCP, IP (or TCP/IP) and do a web search for that protocol + "vulnerability" or "hack". For example you might search for "TCP vulnerability". This is an advanced option because some of the articles you find might be fairly technical. Your task will be to research one of these and be able to explain it in your flash talk in terms your classmates will understand.	HTTP, DNS, TCP, IP + Vulnerability or Hack

Part 1: Pick and Research your Issue:
- Pick one of the issues listed above that interests you the most or that you would like to learn more about.
- Reference 1: Start by looking at the Wikipedia article and scan the article for content related to the Internet topics covered in class. (you may use this as a reference but you don't have to …)
- The Focus of your Artifact: find an item or element of the article that interests you on which to base your artifact.
- References 2 and 3: Read further about the issue. Find at least TWO additional articles that relate to this issue.

Record your research in the organized grid provided here and on the next page:

My selected issue:	
Focus of my artifact:	
The position I will take:	

What is the reference? What did I learn from this reference?	What are the positive (+) and negative (-) impacts on society, economy, or culture? What do I want people to know about this?	What are the connections can I make to what I've learned about the Internet so far?	What details have I learned that support the position I have taken on this issue?
Reference 1 (wikipedia)			
Reference 2:			
Reference 3:			

Evaluation:

Your artifact will be evaluated using the following categories of the
Explore Performance Task Rubric (attached):
Please note that instead of "computing innovation" you will be evaluated on the "internet issue"
1. Using Developmental Processes and Tools (row 1)
   - Conveys message in an effective manner
   - Richness of detail
   - Breadth of scope (depth of investigation)
   - Creative expression
2. Analyzing the impact of computing (rows 2, 3, 4, 5)
   - Explanation for both beneficial and harmful effect
   - Specifics impact on society, economy, or culture
   - Evidence that supports explanation both beneficial and harmful
   - Evidence that supports impact on society, economy, or culture
3. Finding and evaluating information (row 8)
   - Three references
   - Each reference cited IN TEXT – no in text citations = score of ZERO

The rubric is a binary rubric, either you earn the point in each row or you don't. The total point value for this assignment is six. Here is the 4 point conversion:
4: six points
2.7: five points
1.3: four points
.3: three or fewer points