

Assignment #1

| TERM | Name – Student ID | COURSE CODE | WEIGHT |
|------|----------------------------------|-------------|--------|
| | Click or tap here to enter text. | CSN105 | 7.5% |

Assignment Objectives

Upon completion of this assignment, you will be able to perform the following:

- Explain the benefits of each PC hardware component
- Compare, contrast, and recommend PC hardware components in order to build an appropriate computer for its intended use.
- Access resources from Websites and Seneca’s online library

Assignment Materials

- Part 2 from “[Building a PC for dummies](#)” [optional]
- Part 2 from “[Building the Perfect PC](#)” [optional]
- PC Building Simulator: Education Edition [optional]

Assignment Instructions

- Enter your name and student ID above (Example: david – dtrinh)
- Answer questions and add screenshots into the corresponding textboxes
- Save the file on your computer for future reference
- Save the file again as a “.pdf” file
- Submit the PDF file for grading

Assignment Rubric

Each component explanation will be graded using this rubric.

| Grade | Comment |
|-------|---|
| 3 | Provides in-depth explanations and considerations |
| 2 | Provides adequate explanations and considerations |
| 1 | Provides poor explanations and considerations, missing relevant information |
| 0 | No explanation or considerations |

Academic Integrity Declaration

By beginning this lab, I affirm that I will not give or receive any unauthorized help in this lab and that all work provided will be my own. I agree to abide by Seneca’s Academic Integrity Policy, and I understand that any violation of academic integrity will be subject to the penalties outlines in the policy.

Part 1: Scenario

You are an IT contractor for Seneca College. Seneca has numerous programs and needs recommendations for computers in each program. You have been assigned a program on Blackboard [check “My Grades”]. You must source out PC hardware components for this program. Seneca wants a custom-built computer and **does not** want pre-built vendor computers like Dell, HP, and Lenovo.

Part 2: Planning [15 marks]

Before sourcing PC hardware components for your program, it is important to understand what software is needed. Using online resources, list out 5 applications the program will use **and** the hardware requirements for each of the applications.

Software Applications

| Software [1 mark each] | Hardware Requirements [2 marks each] |
|---|---|
| What software will this department use? | What are the hardware requirements for this software? |
| 1. Software 1 | Click or tap here to enter text. |
| 2. Software 2 | Click or tap here to enter text. |
| 3. Software 3 | Click or tap here to enter text. |
| 4. Software 4 | Click or tap here to enter text. |
| 5. Software 5 | Click or tap here to enter text. |

Part 3: Sourcing [20 marks]

Based on your planning, find PC hardware components to meet the hardware requirements for your program. Provide a link to the website of where to buy the component, the price of the component, and an explanation for the selected component. When explaining why a component was selected, use the following to formulate your response:

- What are 3 technical specifications of the component you selected?
- Why are each of these specifications important for the program?

Program Name: <Enter your Program Here>

| PC hardware component [1 mark each] | Cost | Explanation [3 marks each] |
|--|----------------------------------|--|
| <Enter Processor model> | \$X.XX | Use considerations above to guide your response. |
| Website: Website link of where the product can be purchased. | | |
| <Enter RAM model> | Click or tap here to enter text. | Click or tap here to enter text. |
| Website: | | |
| <Enter Storage Device model> | Click or tap here to enter text. | Click or tap here to enter text. |
| Website: | | |
| <Enter Graphics Card model> | Click or tap here to enter text. | Click or tap here to enter text. |
| Website: | | |
| <Enter Motherboard model> | Click or tap here to enter text. | Click or tap here to enter text. |
| Website: | | |