**Assessment**



**Group Assessment: Custom Build Plan**

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| **Due Date**  19th August - Submission  20th August - Presentation | **Faculty**  Humanities and Business | |
| **Due Time**  Submitted to Moodle by 11:55pm  Presentations between 10am and 3pm | **School**  Business and ICT | |
| **Weighting**  20% | **Programme**  New Zealand Certificate in IT Essentials – Level 4 | |
| **Submission Method**   1. Moodle online upload 2. In class presentation | **Learning Outcomes Assessed**   1. Communicate and plan effectively with consideration of ethical issues and legislation. | |
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| **Lecturer**  Tuariki Ngamoki | | **Moderator**  Mat Pendleton |

# Assignment Guidelines

In pairs, you will research and provide a detailed parts list to build 2 PC’s for the scenario given below.

Each pair will present their recommended builds to the class in the form of a PowerPoint (max. time of 15 minutes).

Each member must participate in the presentation.

The look of the presentation is up to each pair, but it must be professional in appearance and be checked for spelling, grammar and punctuation.

You should plan with consideration of legal and ethical concerns.

The final slide or slides should show an itemised list of components (with prices for each) and include the total cost of the builds with justification as to how you arrived at that overall price.

## Scenario

A new wedding photography company, **Wondrous Weddings,** has started up in Palmerston North and have contracted your team to put together two PC’s for their staff to use.

One of the PCs will be used for graphics and video work and needs to be able to edit and store high quality pictures and videos for at least 5yrs. **(See build requirements for details) \***

The company will have an average of **20** weddings a year, and after editing each wedding will have approx. **1.5 hours of 1920 x 1080 video**(taken using a Canon 5D MkII at 24fps) that needs to be stored, as well as approx. **400** high resolutionphotos(split evenly between RAW and JPEG formats, 200 of each).

The other PC will be used for typical office work but must also include accounting software, and as the company want to have a ‘green’ image they want you to find parts that have very low power consumption while still fulfilling their requirements.

The workplace would also like to update its current office printer to a high quality, low power consumption, full colour laser printer within a budget of $500

Your goal is to provide a computer build that keeps costs down while still providing appropriate components for the given requirements without being excessive. You will need to give an explanation as to how you arrived at the overall price you ended up with i.e. allocating more funds towards a specific component as it is required for a specific task, or leaving room for future upgrades, or legal or ethical concerns affecting your decision.

**Build Requirements**

* They need 2 computers for their staff
* You can choose any motherboard, but your ultimate goal is to keep costs down while still providing appropriate components for the given requirements
* The **specialist** PC needs to include hardware that matches or exceeds the recommended specifications for the most recent versions of Corel PaintShop Pro 2020 and DaVinci Resolve Studio 16. **Include pricing for the software**
* The **specialist** PC also needs enough internal storage space for the current year’s videos and photos. Previous years’ work can be archived on external hard drives. **Include these in your presentation**
* The **office** PC should, where possible, use low power consumption
* The **office** PC needs accounting software, with any subscription based license budgeted to be covered for 1 year if required
* The **office** PC requires a printer and also needs to be able to facilitate VoIP calls and must include the appropriate accessories
* Both PC’s need to run Windows 10, Microsoft Office 365. Software licenses (including the operating system) should also be included, with any subscription based license budgeted to be covered for 1 year
* Each must have enough RAM to multitask and perform the required tasks
* No specific budget has been set but prices should be realistic
* **The office PC must use an AMD Processor**
* **The Specialist PC can use any Processor**

**Additional**

* The graphics capabilities of non-specialist pc’s are not important, but must include some graphics support
* Software licenses must be sourced with legal and ethical consideration
* You can select parts from any place of business – disregard shipping costs in the pricing summaries
* Cables and networking equipment is not required

## Submission

This assignment must be created using Microsoft PowerPoint and be submitted on Moodle

Via the “Custom Build Assessment” link before 11:55pm on Wednesday 19th August

Presentations will take place from 10am to 3pm on Thursday 20th August

It is up to you to keep in contact with the other member you will be presenting with. You will be filling out a feedback form at the end of the assessment.  
  
Any issues should be discussed amongst yourselves first and, then if it cannot be resolved you should approach the lecturer

UCOL reserves the right to submit all your work to third-parties for the purpose of checking for academic misconduct.

## Custom Build - Presentation

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| **Criteria** | **Marks** |
| **Introduction** |  |
| * Participated in the presentation |  |
| * Good volume(Loud enough to hear) |  |
| * Clear |  |
| * Introduction(Name) |  |
| * Clear speech and confident body language used |  |
| * Spoke to audience |  |
|  | /15 |
|  | |
| **Discussion includes all PC components, software and power consumption as outlined below** | |
| * Cases |  |
| * CPU |  |
| * Hard Drives |  |
| * RAM |  |
| * Optical DVD Drives |  |
| * Monitor |  |
| * Peripherals (keyboard, mouse & headset) |  |
| * Operating System |  |
| * Specialist Software |  |
| * Specialist Hardware |  |
| * Microsoft Office application suite |  |
| * Power Supplies (including power consumption) |  |
| * Legal and ethical consideration |  |
| * Overall cost justified |  |
| /50 | |
| **Presentation Aspects** |  |
| * The presentation is professional, flows well and is visually appealing |  |
| * Spelling, grammar and punctuation has few or no errors |  |
| * Timing was well judged (presentation is 5 – 10 minutes long) |  |
| /15 | |
| **Individual Presentation Aspects**   * Each participant takes part in the presentation and has a defined role (marks may vary for each individual) |  |
| /20 | |
| Total Marks: | /100 |

## Custom Build – Submission

|  |  |
| --- | --- |
| **Criteria** | **Marks** |
| **All hardware components are included and compatible where required** | |
| * Cases |  |
| * Hard Drives |  |
| * RAM |  |
| * CPU |  |
| * Optical DVD Drives |  |
| * Monitors |  |
| * Peripherals (keyboard, mouse & headset) |  |
| * All Cables (both internal & external) |  |
| * USB 3 capability |  |
| * Network Adapters (Ethernet or Wi-Fi) |  |
| * Power Supplies |  |
| /40 | |
| **Software requirements** | |
| * Windows 10 Operating System & Microsoft Office application suite are shown in the build |  |
| * Windows 10 Operating System & Microsoft Office application suite details include the licencing and renewal details |  |
| * Specialist Software details include licencing and renewal details |  |
| /15 | |
| **Custom build plan recommendations are appropriate** | |
| * Custom build fits within a suitable budget |  |
| * All hardware and software components are suitable for the assessment scenario |  |
| * The price of each component is shown, including the overall cost of the build |  |
| * Power supply addresses power consumption requirements |  |
| * Hardware requirements for specialist software are suitable |  |
| * PC Build addresses VOIP requirement |  |
| * Legal and ethical considerations are addressed |  |
| /45 | |
| Total Marks: /100 | |