**Assignment Description**

You are required to suggest a suitable computer with specification, hardware, software, and peripherals that allow you to carry out all the activities of the following users:

1. **A beginner photographer**
2. **An architecture student.**
3. **A graphical designer**
4. **A web developer**
5. **A Gaming player**
6. **An adverting sale manager**

**Requirements**:

1. You have to work within group. Each group should choose one **use case**. Each group will choose **one** use case. Note that the same use case should not be taken by more than one group.
2. Define **two** sets of computers one with minimum requirements and one with preferred requirements.
3. You have to specifically define hardware, software and peripherals for the two sets. Prices for each piece should be indicated and total price. Add a reference for each requirement.
4. Deliver a two page report:
   1. Showing the comparison table;
   2. Justifying your choices (In this assignment, you will have to be in a group of students. You will have the option to choose 1 use case. Each group will choose one use case and no two groups can have the same use case.)
5. You will give a presentation on your work.
6. **You have to submit the report by Wed 28/3/2018**

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| --- | --- | --- | --- |
| **STUDENT NAME** |  | | |
| **STUDENT ID** |  | **USECASE NO** |  |

Determine the MINIMUM and PREFERRED requirements of your computer.

1. The MINIMUM specification refers to the essential requirements that allow applications to run at low performance.

2. The PREFERRED specification indicates the requirements to allow applications to run and perform at an optimum level, however higher specifications can be used, and may be needed, if other software is to be run simultaneously.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Computer Specification** | | |  |  |
| ***Item*** | ***Minimum*** | ***Price*** | ***Preferred*** | ***Price*** |
| Processor/CPU |  |  |  |  |
| RAM |  |  |  |  |
| Monitor |  |  |  |  |
| Graphical card |  |  |  |  |
| Hard Disk |  |  |  |  |
| Ports |  |  |  |  |
| Network card |  |  |  |  |
| **Additional** | | |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| **Computer Applications / Software** | | |  |  |
| ***Item*** | ***Minimum*** | ***Price*** | ***Preferred*** | ***Price*** |
| Operating Systems |  |  |  |  |
| **Additional** | | |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| **Computer Peripherals / External Devices** | | |  |  |
| ***Item*** | ***Minimum*** | ***Price*** | ***Preferred*** | ***Price*** |
|  |  |  |  |  |
|  |  |  |  |  |
| **Budget** | **Total** |  | **Total** |  |

**Write justification of your above choices**

(e.g., define all the activities of your assigned use case and How your suggested requirement will support these activities)