Homework 3: Operating Systems

The Operating System is the most important software in any computer system. It is a group of systems which manages the resources of the computer, for example by:

1. Controlling the time each task is allowed in the processor
2. Interrupting when a more urgent task takes priority
3. Ensuring data is stored properly and the location recorded
4. Finding data from storage
5. Monitoring the input and output

Single user systems are where only one person uses them at a time, multi user systems may have more than one person using them at the same time. Extra facilities are required by a multi-user operating system; for example it must be able to prevent several users accessing the processor at the same time, or overwriting each others data.

Complete the table below giving examples of devices/computer systems which would use multi or single user OS’s.

|  |  |
| --- | --- |
| **Single user** | **Multi-User** |
| Mobile Phone | School Network |
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