

CPS122 - OBJECT-ORIENTED SOFTWARE DEVELOPMENT

Requirements Exercise

Consider the following requirements from various systems. Classify each as functional, quality, platform, process, or spurious. Give a brief justification for each as to why you classified it as you did.

1. The system must use 128-bit encryption for all transactions.
2. If the alarm is ringing, then the elevators will proceed to the ground floor, open the doors, and suspend operation.
3. The student information system will provide output from commands within one second.
4. The system will be able to print to a Hewlett-Packard 5000 series printer.
5. The system will use an array of Invoice objects to store the invoices.
6. The system will be able to read images in JPEG, GIF, or BMP formats.
7. The system must use no more than 100 MB of RAM.
8. The system will use the `java.util.Date` class for representing dates.
9. The system must run on Linux, Mac OS X, and Windows platforms.