System Requirements Specification

(SRS)

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6. Problem Statement

The Delaware Technical Community College IT department would like a toner inventory system to simplify the way stock is managed and improve the efficiency with which printer maintenance, primarily replacing toner, is performed. This would ultimately save the IT department time and help them in their work.

1. Input Requirements

Data will be imported via a .csv file provided by DelTech.

1. Process Requirements

The following are inherent requirements the program should undertake.

* 1. Data interpretation

The system must be able to read the given .csv file and efficiently organize the data into fields within a display for the user. Must also allow the user to sort/filter the data by any of the given data fields.

* 1. Data repository

Data should be stored within a .csv located in a developer specified location that can be accessed by the program. Any updated data should be stored in the same location and replace the previous data set. No data should be manipulated or changed by the program without express instructions from the user, such as the aforementioned updating of the data via .csv file.

* 1. Performance

The program must be usable at anytime and not require dedicated resources to resolve. Should be runnable without taking up more than 5% of available resources to ensure runtime of other processes.

1. Output Requirements
   1. Report summary

The following will be reported by the program after execution:

* Printer DTCC Asset tag
* Printer Manufacturer
* Printer Model number
* Printer Serial number
* Printer location
* Toner availability

1. Technical Requirements (Nonfunctional)
   1. Performance

Response time should be within 500 milliseconds upon execution and output the desired information within said time.

* 1. Security

Will only be accessible through single terminal located near IT dept. This terminal will already utilize required DTCC security systems, such as the DTCC Username/Password login system.

* 1. Maintainability

Long-term maintenance performed through IT staff and Computer Science students who are able to make changes through sufficient commenting of code.

* 1. Availability

This program should be available for access when the technicians are on-duty, excluding periods of scheduled maintenance as necessary.