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CSCI 467

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In-class Activity

IPROC Case Study

**Functional Requirements**

The IPROC system must provide the ability to monitor purchasing activities, inventory levels, and to replenish the inventory when the amount of an item on-hand is below a minimum level; the functions are available to the COO, authorized buyers, and managers.

The IPROC system must allow authorized buyers to create a new vendor. Each vendor has a unique vendor identification number, vendor name (this is a company name), corporate address (street, city, zip code, country) where the purchase order is sent, contact person (first name and last name), phone number and email address of the contact person.

The IPROC system must allow a buyer to create an item in the item master for when each physical item is purchased and received inside the warehouse. Each item contains a unique item number, description, minimum order quantity, purchase price, effective date, and preferred vendor.

The IPROC system must allow a buyer to run a periodic inventory report where he/she specifies a date range. The buyer must be able to specify the sort criteria to have options to sort by item number, vendor, or by quantity on hand (low to high, high to low).

The IPROC system must allow buyers to choose an item which has been previously defined in the item master list.

**Non-functional Requirements**

Minimum level of an item to be replenished is variable depending on the item.

The IPROC System can be accessed by authorized employees, who have login ids and passwords.