V516 Homework_2
Haley Clements

Part_1

1.0  Update inventory w/ newly received stock
2.0  Update inventory decrementing for items used
3.0  Generate Orders
4.0  Make Payments

Supplier

Invoice

Unfilled new orders

Payment for items

DS1 inventory Database

Items that need to be ordered based on threshold

new item inventory count

updated # of items

Count of all items

Ordered items
**Part 2:** (13 points)
Create a Level_0 DFD for this version of the ParkIT_DC Context Diagram

**Part 3:**
Adopting an open source platform to standardize our agency’s software is a strategic way to minimize IT implementation, training, and support costs. IT standardization is a business solution aimed at keeping IT infrastructure as consistent as possible throughout an agency or organization.

Standardizing IT infrastructure reduces the burden on IT staff and users by minimizing the number of different programs and equipment used. This means less time and money is spent updating different programs, and it eliminates learning curves and compatibility problems. Troubleshooting IT issues becomes simpler when IT infrastructure is standardized throughout an agency, and therefore improves communication and reduces information silos.

Using open source software for standardization can lead to further IT savings and greater flexibility. Open source software can be modified to meet an agency’s needs, often at lower or no up-front costs. Furthermore, open source platforms are familiar to many people and IT professionals, meaning less hours spent on training. In addition, open
source software programs are frequently comparable to commercial competitors’ software thanks to frequent contributions and testing from open source communities.

Utilizing an IT strategy that combines standardization with an open source platform could reduce our overall IT costs while still delivering reliable results that are comparable to commercial platforms.