

DFD Homework

MIS 330

Spring 2023

1 Instructions

Review the business scenario and the two text-based use case descriptions to:

1. Create a context DFD.
2. Create the DFD fragments using the two use cases.
3. Integrate the DFD fragments to show the Level-0 DFD.

2 Business Scenario

The system should enable the manager of a bus repair shop to input customer information, record the reason for the repair, record the total cost of repair, update the spare parts database with parts in inventory and those that need to be ordered, and send the accounts department any invoices generated. It should permit the accounts department to examine the accounts with outstanding payments and accounts that have received payment and open any new accounts based on invoices received or generated. Please look at the Use Cases 1 and 2 for details on the processes needed to achieve the overall objective.

3 Notes

- Make sure you identify the entities and datastore and design them clearly in your diagram.
- Use the pre and post-conditions in the use cases to label the dataflows clearly.
- When integrating DFD fragments into one DFD diagram, avoid redundancies and ensure either datastore or entities are not repeated.