**Example 1**

Produce a Context Diagram for the *Bus Garage Repairs Auto shop* using the given scenario*.*

**Scenario 1**

Buses come to a garage for repairs. A mechanic and helper perform the repair, record the reason for the repair and record the total cost of all parts used on a Shop Repair Order.

Information on labor, parts and repair outcome is used for billing by the Accounting Department, parts monitoring by the inventory management computer system and a performance review by the supervisor.

**Example 2**

Using a natural language format write one user level and several system level

requirements to describe a function to allow a librarian to record a book loan.

In the system, a book has an ISBN and may have multiple copies. Each copy has a

number (1, 2, 3, …) and is either available or has a due date and the id of the current

borrower. Books are loaned for two weeks at a time.

Assume the librarian is logged in and has already indicated they want to record a book

loan. Assume that the borrower knows the ISBN of the book they want to borrow, and

that the librarian will retrieve it from the stacks. Consider what information must be

gathered, what conditions must be checked, and what information must be recorded or

changed.