CASE STUDY – DAY 4

Software Requirement Specifications
Library Management System

Problem statement

Implement a simple library inventory management system in shell script, where the inventory consists of books.

Following functionalities should be supported in the system.
1. When the program starts for the first time, it shall import inventory data from file (sample file name "inventory.txt").

Sample file format:

<beginning of file>

<book name> <author_1> <publisher> <total no of copies>|

   <book name> <author_1> <publisher>|<total no of copies>|

<end of file>

1. Main menu of the library inventory manager shall look like as follow:

    ```
    ====================================
        a) add_books;;
        b) find_books;;
        c) edit_books;;
        d) remove_books;;
        e) view_books;;
        f) quit
    ====================================
    ```

    List of topic needed for this project are:
    variables
    if condition
    switch case
    printf ,read , echo command
    while loop, for loop
    grep command
    function declaration