

## Criterion E: Evaluation

### **Evaluating the Product<sup>1</sup>**

#### *Client Feedback (Verbatim)*

“All the success criteria, from 1 through 12, have been met. The layout of the software is strong and basic, making it very understandable while addressing the criteria. The separation of the data entry of transactions coming into the warehouse and going out of the warehouse was good. The reports were very well done and followed the layout that was requested. The calculations were very good as they gave a good summary of the stock flow or price flow of each book in the inventory. However, there are a few suggestions we would like to give based on the presentation.

I suggest that you facilitate the CRED functionality here as well- to create, edit and delete administrators if possible. This will allow for changes if the administrators themselves change or their contact details are altered.

If possible, when an inward transaction is recorded in the database, a vendor invoice could be produced for future billing or documentation purposes. For an outgoing transaction, the transaction quality (such as for sale, not for sale, sample out). Other than that, I think the automated entry of data using a barcode scanner could be implemented once adapted in the warehouse. The involvement for manufacturing price for each book can also be included in the report as a more realistic summary of the expenditures and revenues.

Finally, in general, the appearance of the UI could be slightly more colourful and not only grey tones- greys are a little monotone. If possible, add more images to make the design more appealing.”

#### *Self-Evaluation*

The Warehouse Inventory Management Software functions well to a significant extent as it can handle large amounts of data and do the required calculations quite efficiently. However, the reports produced only give a summary of the happenings in the warehouse and need prior knowledge of the warehouse to be understood. This can be improved by including pictorials such as pie charts(graphs) to allow for a more understandable report.

The calculations for the stock-based reports were accurate. However, the calculations for the price-based report could be improved upon. The consideration of manufacturing costs of different titles and fluctuation of the maximum retail price (MRP) were not taken into account. This means that the calculations in the price-based reports for profits were maybe inaccurate as it gave the gross margin rather than the total profit over duration.

The search function to retrieve the stock of any book in the database works very well. Nevertheless, the table it searches from is static and gives a solution for all the titles in the warehouse presently. In the future, more titles could be written and published by the company. This aspect of the software could be improved to be able to add titles to the repository as it would give a degree of flexibility for further extension or use.

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<sup>1</sup> Refer Interview 4 in Appendix -Feedback for context

**Table 2: Client comments sorted according to success criteria and meeting the success criteria**

Success Criteria Number	Success Criteria	Met
1	Provide login credential for each managerial staff	✓
2	Create a warehouse staff directory with the name, email ID and username, of each of the managerial staff	✓
3	Provide the users with a functionality to check the current stock of any title using a search feature through a title name	✓
4	Provide functionality for the users to record stock received	✓
5	Provide functionality for the users to record stock shipped out	✓
6	Search for the details of each transaction recorded in a date wise manner	✓
7	Search for the details of each transaction recorded in a title wise manner	✓
8	Calculate the revenue, expenses/losses, and profits over a date range for price-based reports	✓
9	Produce periodic price-based reports for a single title (specific) or for all titles (general)	✓
10	Calculate total inventory in, total inventory out, stock flow, total number damaged, and % damaged over a date range for stock-based reports	✓
11	Produce periodic stock-based reports for a single title (specific) or for all titles (general)	✓
12	Produce reports which can be saved in a pdf format to be shared through emails and printed if required	✓

**Recommendations for Further Development:**

1. Include another type of report, namely a destination/source-based report where the destination or the source of the books are taken as a parameter.
2. Include a greater number of parameters in the search functions to retrieve the details of the book in concern (instead of it only being book name, the search can include the price and the type of the book as well)
3. For both Inventory In and Inventory Out pages, the code could be adjusted to integrate ISBN readers to facilitate automatic entry of data

**Word Count: 473**