

## Criterion E

Evaluation of product:

UI is simple and easy to use	accomplished
Successfully implement algorithms that help the firm calculate total production cost, time, and storage volume of product	accomplished
Successfully implement a function in the program that helps firm keep track of when purchase orders are received and when they are the planned completion date is	Partially accomplished, purchase order received date is stored by planned completion date is not implemented.
Program must have a functional option that allows user to edit information on a product model or a purchase order	accomplished
Program must have a functional option that allows user to search for a specific product in the database	accomplished
Program must be able to sort through the array of products/purchase orders in the database such that it displays them in order of product model.	accomplished

Client feedback:

"I think that you did a good job on the program, however, there are a few improvements that I think you can make with the program. Because you already have an option to input production time for a product model into the array, you may as well use that to calculate the time needed to fulfill a purchase order and find when the delivery date of the purchase order should be. Another thing is that it seems like even though you can edit the information about a product model, it doesn't seem as if it updates the purchase order along with it, so maybe that can be added as a function later on. I would also maybe like the program to look a bit more modern, if possible."

- Somsak Chiratiwat Financing Department Manager (translated from Thai)

Recommendations for further improvement:

- Include units within the UI and tables for the users such as  $m^3$  for storage space or Baht/USD for costs
- Add an option to remove a product from the database. The program currently only has an option to add or edit a product. This option would allow the firm to update their product portfolio as older product models become outdated and are replaced.
- Add an option to edit the product model number as well since that currently cannot be edited
- Add in an option to calculate expected delivery date based on when purchase order is received and production time per unit and units ordered
- Integrate the use of GregorianCalendar to store dates for when purchase order was received and when the planned delivery date is in a more efficient manner
- Add an option to remove a purchase order from the database once it has been fulfilled or if it is canceled

Word Count: 435