

## Criteria E: Evaluation

### Evaluation of the product

Criteria of Success	V/X	Notes
Programs need to keep track of how many materials left	V	
Can search for certain materials based on the name of the materials.	V	
Allow users to manually edit the information of certain material.	V	
Can store the information for the materials to the local files.	V	
Can give a recommendation list for purchase based on the priority of the materials and the number of materials left.	V	
Teams and teachers are allowed to log in with different accounts.	V/X	The client mentions that the login system does functioning. Since users need to access the source code to change the password, it is inconvenient for those users who don't understand Java. <sup>1</sup>
User-friendliness is appropriate for the degree of specialization.	X	The program is really sophisticated but there aren't enough instructions. The pop-out window only indicates what mistakes did the users made but there aren't overall instructions about how does this system work. <sup>2</sup>
Based on the specialty of the current situation, the teacher is allowed to adjust the algorithms to generate a	V	

<sup>1</sup> Jacob Ortwein, interviewed by the author, Bangkok, March 26th, 2020, audio recording 9:52, Appendix 3

<sup>2</sup> Jacob Ortwein, interviewed by the author, Bangkok, March 26th, 2020, audio recording 14:34, Appendix 3

more accurate recommended list of purchases.		
The input needed for each field is clearly communicated.	V	

**Recommendations for the future development of the product**

Recommendation	Benefits	Why/How realistic
Detailed Users manual should be added to the program.	Users can have a clearer idea about how does this program work before start using it. This can largely increase their working efficiency.	My Client says that more than 10 new members join in the Robic Club every year. As a result, it is really important for me to make sure that new members can get used to this material management system quickly through reading detailed instructions. <sup>3</sup>
A Record of purchased material should be added	Teacher can keep track on how many materials are purchased and how much money has spent. This can be beneficial for teacher to manage the budget.	My Client mentions that Robotic Club consumes hundreds of parts every year which means that a large scale of materials are purchahsed every year. As a result, it is important to record how many parts are purchased each year so that teacher won't repeatedly purchasing the same materials. <sup>4</sup>
"The time of delivery should be considered when the purchased materials are added to the new material list." <sup>5</sup>	By considering the time take for the materials to arrive, the program can have a more accuract prediction about how many materials do Robotic Club have.	In the current version, all the materials are added to the list after clicking the purchase button. However, the client suggests that materials always take months to arrive so the delivery time is a

<sup>3</sup> Jacob Ortwein, interviewed by the author, Bangkok, March 26th, 2020, audio recording 10:52, Appendix 3  
<sup>4</sup> Jacob Ortwein, interviewed by the author, Bangkok, March 26th, 2020, audio recording 3:12, Appendix 3  
<sup>5</sup> Jacob Ortwein, interviewed by the author, Bangkok, March 26th, 2020, audio recording 6:23, Appendix 3

		non-negligible factor. As a result, it should be considered in <sup>6</sup>
A registration page for new accounts is needed	Users can adjust their password easily and even create a new accounts. This can provide users with more flexibility.	“The number of team is not fixed. For example, this year we have 5 teams while last year we only have 3 teams.” <sup>7</sup> As a result, I need to make sure that new accounts can be created.

Word Count: 459

Total Word Count (A+B+C+E) = 281 + 295 + 951 + 459 = 1986

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<sup>6</sup> Jacob Ortwein, interviewed by the author, Bangkok, March 26th, 2020, audio recording 11:43, Appendix 3

<sup>7</sup> Jacob Ortwein, interviewed by the author, Bangkok, March 26th, 2020, audio recording 8:43, Appendix 3