Criterion A - Planning

Problem Statement

The problem is choosing computer parts for the VR system and not knowing whether it would be compatible or not.

Word Count: 20

Description of Scenario

Mod Yensuang is a student in International School Bangkok and he leads the Virtual Reality Department. When building a new Virtual Reality system, both of them find it a hassle to go research on how "future proof" are the systems and research every part of the system including CPU, GPU, and RAM. Mr. Yensuang finds it better if there's an all in one program for them as it will reduce the amount of hassle needed to research. For example, Mr. Yensuang stated in my initial interview with him when I asked whether it is to have a program that checks how future proof the systems are without researching it, he said: "It would save us a lot of time and be very convenient" ¹.

Word Count: 123

The rationale for the Proposed Product

I decided to write a program using a programming language, rather than a website because the solution to this IA is that the program can be run in multiple systems for easier accessibility and just a quick, simple and no hassle program generally. In the program, it will have a user-friendly GUI and it will let the user input their initial choices with the suggested choices available in the program and the program will filter out computer parts depending on the budget they chose in the initial choices. Mr. Yensuang stated that it would be less of a hassle wanted a program that checks out if the proposed VR system is "bang for the buck" and lasts for a long time ² when he stated it at the end of the interview³ the language program that I will be using is Java, because

- Im familiar with it
- It runs on many platforms
- It is an open-sourced language program
- It has a good development environment

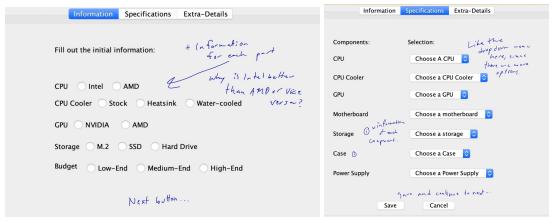
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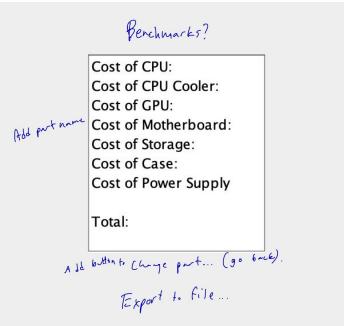
¹ Mod Yensuang, interview by author, Bangkok, November 19, 2019, Question 3, Appendix 1

² Mod Yensuang, interview by author, Bangkok, November 19, 2019, Question 4, Appendix 1

³ Mod Yensuang, interview by author, Bangkok, November 19, 2019, Question 4 Appendix 1

Prototype of the product:





Success criteria for product:

A) What the program will do

 The user will create a list of system components and the program will review how "future proof" it is, is it VR compatible, an estimated amount of wattage needed and the budget of the system

B) User-friendly features

- Recommendation button in the Intial Choices tab
- Each choice will a short explanation on why is better than the other
- Straightforward program

C) Error/exception handling

- If the user will leaves out a choice in the Information tab or the Specifications tab, the program will give out an error.

Pictures of the interviews:

