

I. Introduction:

The system that is being evaluated is the time scheduler program, developed for project 3 of CIS 443 at the University of Oregon. This system is built on key input auditory output time scheduler program, with the addition of a visual interface. The program is comprised of three buttons of *RIGHT*, *LEFT*, and *SET*. The visual output is meant to enhance users understanding of the program, and to help them recognize the options that the program gives faster.

Upon start up, the main menu gives the user the option to choose between setting day, setting hour, setting minute, and exiting the program. By picking each one, the interface transitions to a different stage. By choosing the set day option, the user is provided with a menu that shows the different days of the week. An audio file tells the user the current day and asks the user to select one. And for hour and minute, the user is presented with a number picker menu, where an auditory output tells them the current setting of hour and minute and asks them to pick one.

The main objective of this user study is to measure the time that it takes the users to figure out what their task is. The secondary objective is to measure the ease of use of the system. To achieve these measurements, I will be testing my system on five different users from different backgrounds and computer knowledge. Secondly I will not provide any instruction on how to use the program, until I see the user is really stuck.

II. Methodology:

Participant 1: The first participant is a 22-year-old biology major. He has working experience such as working in labs and dealing with cadavers, lab rats and dissecting mice. He doesn't have any knowledge of programming, and he has a very basic knowledge of computers and is a very casual computer user. Based on his working experiences however, I can tell that he is a meticulous person and is able to notice the finest details.

This user study took place in the Alan Pierce science library. Science library is a place for group meetings and discussions, labs and studying in general. While it does include a quiet area, it is not all around a quiet place. One will typically over hear biology and chemistry related discussions in this place.

The materials that were used for this experiment are as follows:

- My computer, a macOS machine on which my system is tested.
- My phone, an iPhone to film the users interactions with the system.

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