ITMD 534: Human Computer Interaction, HW1, Spring 2022

Illinois Institute of Technology, School of Applied Technology

Due February 7th 2022 midnight

Find two examples of user interfaces, one that you consider a good design and one that you consider a bad design. Note that the good design does not have to be uniformly good, since you may discover problems with it on closer inspection. Likewise, the bad design does not have to be uniformly bad. Probably the most interesting examples will be mixed.

Your interfaces might be desktop software, web applications, smartphone apps, consumer devices, car dashboards, building entrance software, traffic intersections, shower controls, etc.

For each interface, you should:

● 	describe the purpose of the interface and its intended users

● 	analyze its good and bad points of usability with reference to all the dimensions of usability as below. These will be discussed later in lectures but for now, I would like your interpretation of it.

❍ 	learnability

❍ 	visibility

❍ 	efficiency

❍ 	errors

● 	illustrate your analysis with appropriate screenshots or photographs

Limit to one page of text and pictures for each interface, for a total of **2 pages for your entire report**. Include some images to make your point. Submit a single PDF document by email.

Grading

Your report will be judged on the following criteria.

● 	Completeness. Don't omit a dimension of usability, and don't overlook an obvious usability. Clearly identify the good interface and the bad interface.

● 	Depth. "Efficiency is good, because it feels fast to use" is not deep analysis. "I've never made any errors with it" is not deep analysis.

● 	Clarity. The reader should not struggle to understand what you're talking about.

● 	Conciseness. Be brief and to the point.

● 	Usability of presentation. Your report is itself a user interface whose purpose is to convey ideas to a reader. If your report isn't learnable, visible, efficient, and error-preventive, then it will be harder for the reader to use, and it will not demonstrate an ability to apply the ideas of this class.

PLEASE SUBMIT YOUR HOMEWORK IN PDF FORMAT

Courtesy: Rob Miller, MIT