Interação Humano-Computador
Human-Computer Interaction
2021/2022

Assignment 1:
Analytical evaluation of an Interactive Application/System usability/UX

This assignment is aimed at the evaluation using analytical methods of an interactive application/system. Each team (**three students**) should select an interactive application/system and indicate their choice in class. It should be, as much as possible, an application/system considered as not providing a good user experience (UX).
Examples of types of applications/systems:

- S/W (IDEs, Operating systems, other professional S/W)
- University applications
- web applications (digital libraries, home banking,…) , mobile apps, etc.
- consumer electronics (TV , home audio, vehicle electronics , appliances, phones…)
- wearable devices (smart watches, fitness bands, etc.)
- office (copier, printer, scanner, fax, etc.), scientific or medical equipment…

The UI should not be too simple, if too complex you might evaluate only part of it.
Propose your choice in lab class#2 for validation by your professor.

Schedule and deliverables

Class # - Deadline	Deliverables (evaluation %)
Lab Class #2 P1, 3, 5, 7 15/03 P2, 4, 6 17/03	**Deadline to select an application/system to evaluate.**
Lab Class #4 P1, 3, 5, 7 29/03 P2, 4, 6 31/03	**Presentation slides must be submitted via Moodle with a file name according to the instructions**
Lab Class #4 and 5 P1, 3, 5, 7 29/3 + 05/04 P2, 4, 6 31/3 + 07/04	**Assignment Presentations in class**

Perform a heuristic evaluation (HE) (the three students must work independently in a first phase) using the 10 heuristics by Nielsen or any other set you consider adequate (after discussing in class its adequacy to the specific case).

Find usability problems and assign a severity degree to each problem (use the scale proposed by Nielsen).

Select target users and an important task that has to be easy to learn and analyze it using the **Streamlined Cognitive walkthrough (CW).**

Read the slides with guidelines and examples to prepare the presentation.

Prepare a 15-minute presentation using to the template available in Moodle (~15 slides in English) briefly describing:

- the application/system and intended usage (target users, main tasks…)
- the methods used in the evaluation (including the heuristics sets)
- the main results obtained with HE and CW
- a table with a summary of problems found by each and all evaluators
- your overall appreciation about the usability and UX

The presentation file should be named as: "PX_name of system evaluated"
(e.g. P1_SmartWatch)

Submit the presentation through Moodle:
March 29 (Thursday classes)
March 31 (Tuesday class)