ASSIGNMENT 4 – MEDIUM TO HIGH-FIDELITY PROTOTYPE

DUE: DECEMBER 12, 2023

OVERVIEW

Build two screens of your interactive medium-fidelity prototype, starting from the results of the heuristic evaluation you received. This assignment must be done in group: you can use the all the lab hours devoted to this assignment to start working on it and complete the work in the following days.

PREPARATION AND EXECUTION

1. **Pick your best prototype to move forward.** List the violations and their severity levels from the heuristic evaluations you received for both prototypes, merging duplicate violations for the same prototype when necessary. From them, choose one prototype to work on and give a reasoning for the choice. If it makes sense, you can also consider moving some features from one prototype to the selected one (for example, if this minimizes some disadvantages of the selected prototype). In this case, write down any change that you plan to perform.

2. **Create two screens of an interactive medium-fidelity prototype.** Use a graphical design tool for creating two *significant* screens of the prototype: they should be either the most important and frequent pages (e.g., the main page), the ones you are moving from a prototype to another, or the ones that had received multiple violations with severity level 3 and 4. We recommend Figma ([free for education](), see also the related lecture) but you could also use Balsamiq or Marvel.
   As a reminder, a medium-fidelity prototype should be *without colors* (i.e., in grayscale or black and white). It needs to clearly convey the goal of each page, so that a person can look at it and understand what function(s) each page will serve. Each page must include all the buttons, text boxes, etc. necessary to perform the main action(s). You might also need to create the connections between pages (i.e., clicking on a button jumps to the appropriate new page).
   As for Assignment 2, assume that all the trivial (yet mandatory) steps are done, for instance that the user has already logged in and that all information is in their profile.

3. **Plan for the hi-fi prototype.** In addition to fixing the major violations on the two screens of the medium-fidelity prototype, make a plan on how to solve all the remaining major heuristic violations (i.e., severity level 3 and 4) in the hi-fi prototype. If the group disagrees with the evaluators and wishes to disregard a violation, they must justify the decision. Any other level 1-2 violations that are easy to fix should be fixed as well. Write down how you will plan to solve the violations. All the revisions need to be reflected in the hi-fi prototype.

DELIVERABLES

Create a new directory called "A4" in your assigned group repository on GitHub and upload, by the deadline, the PDF/PNG of the medium-fidelity prototype (two screens, only) and a README (markdown). The README must include:

1. The project name.

2. The list of the violations for both prototypes (with duplicates merged).
3. Which paper prototype you selected and why. If you decided to move features from one to another, specify which ones and how you plan to do them.
4. Publicly accessible link to the two screens of the interactive prototype made in Figma (or similar).
5. The plan for the hi-fi prototype, referring to the list of violations reported above.

Any other material might be useful when preparing the final report.