

Assignment 1 – Life examples of human capabilities applied in user interface design

Goals

The goal of this assignment is to learn how human capabilities are applied in user interface design.

Requirements

- Search and find out 5 life examples of UI design in which human capabilities (vision, hearing, touching, smell, taste, memory, reasoning, problem solving, etc.) are applied.
- The life examples could include but are not limited to: software systems, mobile apps, websites, robots, machines, toys, TV controls, gamepad, GPS navigator, etc.
- The life examples should exclude the examples mentioned in the lecture.
- The applied capabilities could include one or a combination of different human capabilities. You may also choose other human capabilities not covered in the lecture but need to provide references for these human capabilities.
- At least **two** different applied human capabilities (e.g. 3 examples for vision + 2 examples for hearing, or 2 examples for vision + 2 examples for hearing + 1 example for touching, etc) should be found among the listed 5 examples.
- Details should be provided to illustrate how the human capabilities are applied for the life example.
- Photos and/or diagrams are needed to illustrate your findings.

Deliverables

- You need to submit ppt slides to Moodle using the template provided in the homework folder.
- Each example has two slides for textual and photo illustrations respectively. You may extend to 3 slides in case of need.
- Remember to write your name and student ID on the cover page.
- Remember to rename the file name of your submission following the format “CS325-HW1-Student ID-Student Name.pptx”. Example: CS325-HW1-A1234567-Frank Guan.pptx”.

Grading

Each example carry 1 mark with the complete and correct study results submitted. Incomplete or inaccurate information may result in mark deduction. **Please note that this is an individual assignment.** Cheating, copying, plagiarizing, or any other form of academic dishonesty (including doing someone else's individual assignments) will result in, at the extreme minimum, a zero on the assignment.

The deadline for submission is **21 Sep 2021 11:59 PM**. Some students might be invited to present his/her assignment in class. So, be prepared.