NOVA SCHOOL OF SCIENCE & TECHNOLOGY

Interação Pessoa-Máquina

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Individual assignment 1

Student number, name: **Lab class Nº** P4

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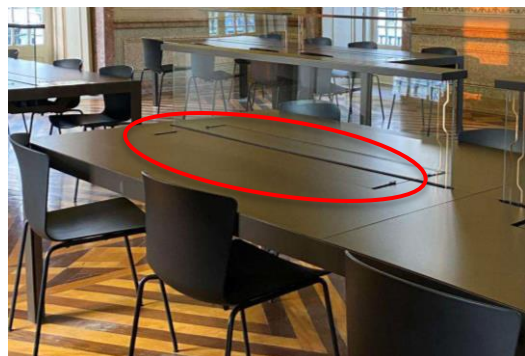
1. Example of good user interface design – sockets inside the desk

Places in library are intended for individual work on a computer, there are sockets that are placed under the desk top. Placing them inside the desk instead of on the floor provides faster and more convenient access to them. There is no need to use extension cord or longer charger.

Futhermore, narrow openings on the sides of cover enable to open it easily to connect the charger, there is no need to additionally bend down to reach the socket on the floor.

Openings also enable to close the cover after connecting, because the cables can be passed through the narrow opening, which provides additional space for the laptop and other necessary things needed for work, e.g. notebook or bottle of water etc, and cover is opened only when we want to connect or disconnect, for the rest of the time it can be used in any other way.

Another thing worth mentioning is the intuitiveness of the solution – visibility of the cover allows to find the sockets quickly. Opening the cover is very

simple, it requires only pulling the cover up by grabbing the openings, users do not need the additional assistance e.g. by the library stuff.

2. Example of bad user interface design – bus stop

The main purpose of the bus stop is to enhance passenger safety while waiting for the bus, it is also a place where passengers board and alight from vehicles. However, the example shown in this section calls into question the function of ensuring safety. The presented solution probably resulted from the need to provide residents with an additional number of stops for greater convenience due to a shorter distance from the stop to home, but as a result, there is not enough space to provide safe place for passengers. An additional challenge is also limited visibility due to the proximity of cars that may block the view of passing cars or buses, which additionally calls into question the safety of passengers. Analogically, car drivers may not see waiting passengers and other drivers who are trying to leave the parking lot because of the parked cars and garbage cans. Another issue may be the lack of space for passengers who want to leave the bus because most of the space intended for leaving the bus is limited. To improve the solution, I would suggest creating more space for the passengers to make their situation more convenient and safe while waiting for the bus by reducing parking spots and putting additional barriers to provide more safety, or moving garbage cans to less occupied place.