Interação Pessoa-Máquina

Lab Assignment 1
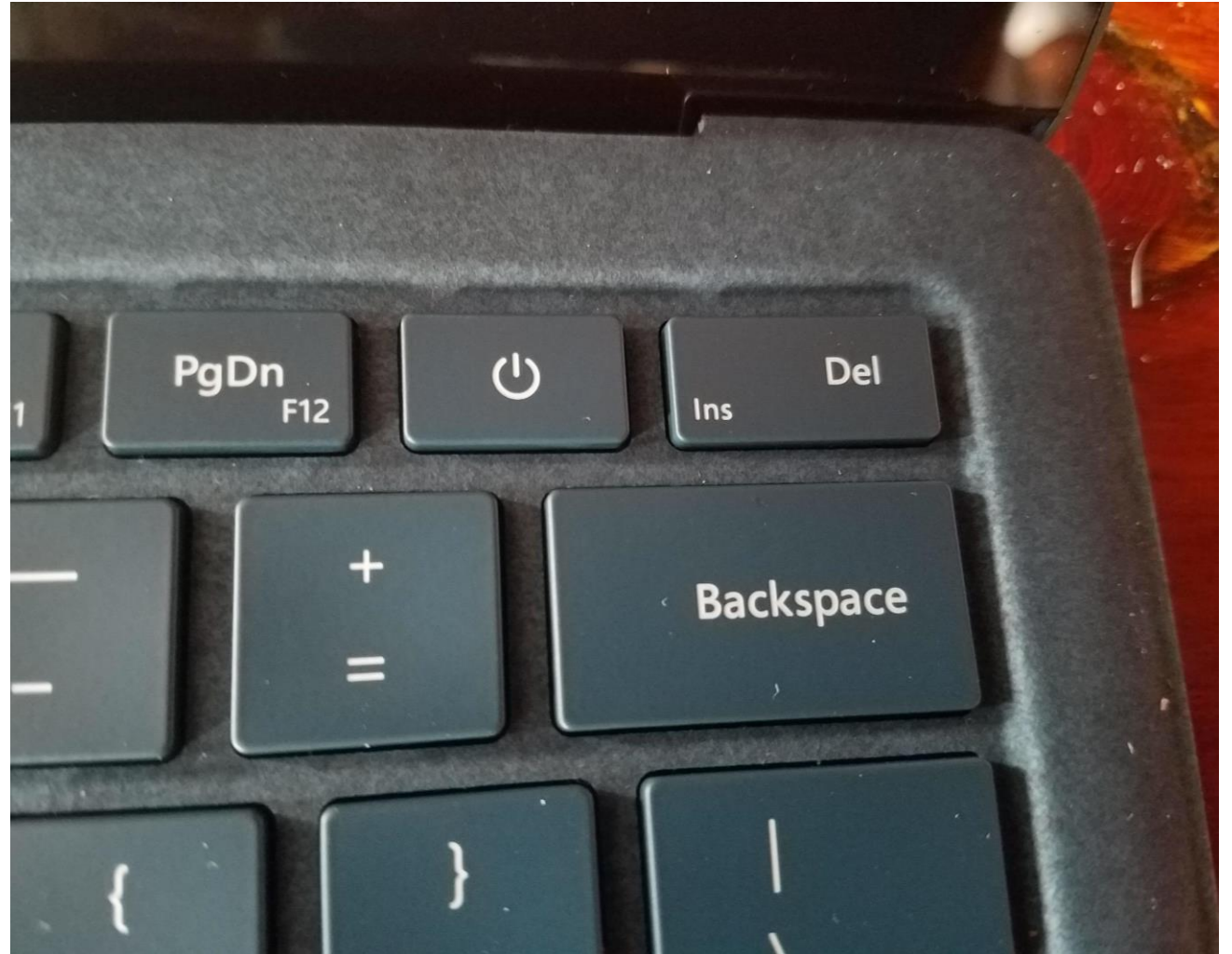
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Laptops Power Buttons - Bad Design

Some laptop manufacturers have opted to place the power button on the keyboard, most commonly in the top right corner next to the backspace and delete keys.

While this decision allows to make the laptop more compact and portable, it comes at a cost.

Laptops Power Buttons - Bad Design

Due to the proximity with the backspace and delete buttons, it is not uncommon for one to press the power button unintentionally.

Moving the power button to the keyboard also makes it less intuitive to find, since it's a new key in a layout that it is usually standard.

Laptops Power Buttons - Bad Design

The reason this design is so popular is twofold.

- Costs: Placing the button in the keyboard assembly reduces production costs by eliminating the extra components required to place the button in another location.

- Compactness: This design allows to make the laptop more compact and portable

Laptops Power Buttons - Good Design

While fingerprint readers have been present in some laptops since at least two decades, in the most recent years manufacturers have incorporated them in the power button.

This allows the user to turn on the laptop and authenticate in one single action.

Laptops Power Buttons - Good Design

This increases efficiency and decreases errors by skipping the usual authentication by password.

The only downside is that it's usually more expensive, and sometimes limited to only business models.