

User Interface (C1U) (Assignment 1)

Q1: What is a user interface?

Answer. A user interface (UI) is a visual element or a group of visual elements organized so a user can operate and/or interact with a machine or a system whether it is mechanical, electronic or computerized. A very simple interface example would be a light switch indicating how a light should be turned on or off.

Q2: What are the steps of designing user interfaces? Explain it with example.

Answer. In order to produce efficient user interfaces, the minimal requirement is to understand the basic concepts of computer-human or human-software interaction processes. The communication between a user and a system is generally based on request-answer model. The interface must then allow user to make requests so the computer can perform actions to supply an answer that will then be evaluated by the user. It is important for an interface to be produced with its user in mind (for instance, using the same language) so the user may understand how to complete its tasks. But, the user also has to adapt to the interface, to learn how to use it. On some systems, it can be quite difficult. The user interface designer will have to find ways for the interface to be as easy as possible to be understood and used.

Q3: When is the first computer invented. And what type of interface it had.

Answer. The first computer used what is called a batch interface. The user interacted with the computer feeding it with punch cards or paper tape. There was no real-time answers and it could take

sometimes many days before getting an answer. There were no screens to see or evaluate the computer answers and changing function (changing the computer's logic) needed to rewire the computer for the new type of requests using a plug-board.

**Q4: What are the common components of a user interface?
Explain them in detail.**

Answer. Design aspect

The logo identifies the company or brand, but the web site design by itself should also represent it.

Functional and communicational aspects

A web site interface serves many functions and targets many objectives. First of all, it identifies the company, the product or the service the web site has been developed for. That is why the logo is usually the first element to be presented on a web page.

Q5: What is the significance of user interface?

Answer. Simply put, a good User Interface is important because it can turn potential visitors to buyers as it facilitates interactions between the user and your website or web application. ...

An interface is a point where a users interact with the website they're using.