## Adaptive User Interface

**What is Adaptive User Interface?**

An adaptive user interface (also known as AUI) is a [user interface](https://en.wikipedia.org/wiki/User_interface) (UI) which adapts, that is changes, its layout and elements to the needs of the user or context and is similarly alterable by each user.

These mutually reciprocal qualities of both adapting and being adaptable are, in a true AUI, also innate to elements that comprise the interface's components; portions of the interface might adapt to and affect other portions of the interface.

This later mechanism is usually employed to integrate two logically distinct components, such as an interactive document and an [application](https://en.wikipedia.org/wiki/Application_software) (e.g. a [web browser](https://en.wikipedia.org/wiki/Web_browser)) into one seamless whole.

The user adaptation is often a negotiated process, as an adaptive user interface's designers ignore where user interface components ought to go while affording a means by which both the designers and the user can determine their placement, often (though not always) in a semi-automated, if not fully automated manner.

An AUI is primarily created based on the features of the system, and the knowledge levels of the users that will utilize it.

**What Adaptive User Interface could do?**

Adaptive User Interface could be the future of User Interface, knowing each user’s need and displaying information accordingly.

Types of AUI