

The aim of this book is to cover these aspects with the goal of teaching you how to carry out interaction design. In particular, it focuses on how to identify users' needs and the context of their activities, and from this understanding move to designing usable, useful, and pleasurable interactive products.

1.3 What Is Interaction Design?

By interaction design, we mean

designing interactive products to support the way people communicate and interact in their everyday and working lives.

Put another way, it is about creating user experiences that enhance and augment the way people work, communicate, and interact. More generally, Winograd describes it as “designing spaces for human communication and interaction” (1997, p. 160). Thackara views it as “the why as well as the how of our daily interactions using computers” (2001, p. 50) while Saffer emphasizes its artistic aspects: “the art of facilitating interactions between humans through products and services” (2010, p. 4).

A number of terms have been used to emphasize different aspects of what is being designed, including user interface design, software design, user-centered design, product design, web design, experience design, and interactive system design. Interaction design is increasingly being accepted as the umbrella term, covering all of these aspects. Indeed, many practitioners and designers, who in the 1990s would have described what they were doing as interface design or interactive system design, now promote what they are doing as interaction design.

The focus of interaction design is very much concerned with practice, i.e. how to design user experiences. It is not wedded to a particular way of doing design, but is more eclectic, promoting the use of a range of methods, techniques, and frameworks. Which is given prominence or is currently in vogue will very much depend on the time and context (Lowgren and Stolterman, 2004; Saffer, 2010).

How does interaction design differ from other approaches to the design of computer-based systems, such as software engineering? A simple analogy to another profession, concerned with creating buildings, may clarify this difference. In his account of interaction design, Winograd (1997) asks how architects and civil engineers differ when faced with the problem of building a house. Architects are concerned with the people and their interactions with each other and with the house being built. For example, is there the right mix of family and private spaces? Are the spaces for cooking and eating in close proximity? Will people live in the space being designed in the way it was intended to be used? In contrast, engineers are interested in issues to do with realizing the project. These include practical concerns like cost, durability, structural aspects, environmental aspects, fire regulations, and construction methods. Just as there is a difference between designing and building a house, so too is there a distinction between designing an interactive product and engineering the software for it.

1.3.1 The Components of Interaction Design

We view interaction design as fundamental to all disciplines, fields, and approaches that are concerned with researching and designing computer-based systems for people (see Figure 1.4).