

Human-Computer Interaction (HCI): Developing field diagnostic tools for existing interfaces; seeking continuing improvement in course delivery software

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Abstract

This is a work in progress. The aim is to develop useful methods for analyzing and improving human-computer interaction (HCI) for interfaces in current use. The term interface contemplates the physical interchange between a user and the information system. The term HCI encompasses the interface within the context of how well the information system achieves the users' goals.

A desirable outcome would apply practical results to the continuing improvement of HCI instances in use, such as the user interfaces of the Blackboard course delivery system.

Work includes survey of relevant literature, design of metrics, implementation of tools, conduct of investigation, report of results and evaluation of effectiveness.