

Category: Homework

Assigned: January 14th 2025

Due: January 24th, 2025 11:59 PM

Mode: (pdf) on canvas

Assignment Instructions for Case Study on a User Interface (UI) in Human-Computer Interaction (HCI)

For this assignment, you will analyze a specific user interface (UI) and evaluate how it aligns with Human-Computer Interaction (HCI) principles. The purpose is to explore the design and functionality of the UI, identifying what works well, what could be improved, and how it facilitates interaction between humans and computers.

To complete the assignment, start by selecting a user interface you use regularly or find interesting. Examples include mobile apps, websites, software applications, and digital devices. Ensure the chosen UI has enough features to analyze effectively. Your analysis should focus on three main components: what you like, what you don't like, and what is useful. Describe the elements of the UI that you find effective and appealing, explaining how these elements enhance usability or improve the user experience. Similarly, highlight any weaknesses, flaws, or areas where the UI could be improved and discuss how these issues impact the user experience or create challenges for users. Finally, analyze the aspects of the UI that are particularly useful for users and explain how these features help accomplish tasks or goals efficiently.

In addition to these components, discuss how the selected UI aligns with key HCI principles such as learnability, efficiency, memorability, error prevention, and accessibility. Provide examples from the UI to support your analysis and connect them to these principles. Your deliverable should be a 1-2 page report summarizing your analysis. Include an introduction, analysis (organized into the components above), and a conclusion. Use clear and concise language, and structure your report logically. If applicable, include screenshots or visuals of the UI to support your points.