

Selected Topics in HCI

Fall Semester 2025

Exercise 07 - Interactive Surfaces and Spaces

Consider the following usage scenarios:

- ship navigation, e.g. on the bridge of a large container vessel
- emergency response and coordination after a large-scale disaster
- a casual but fast-paced game for four players, such as airhockey
- collaborative text writing for a research paper
- air traffic control in an international airport

For each of these scenarios, which of the following interface types would be most appropriate?

- a regular laptop or desktop computer
- a mobile phone or tablet device
- a large interactive surface
- a mixed-reality space

Write a short paragraph for each scenario in which you explain your reasoning.