

Case Studies in Design Informatics 1 - INFR11094

Tutorial 2

Exploring case studies



THE UNIVERSITY *of* EDINBURGH

design
informatics

Can you tell us one of the three “implications” that were the focus of the ethical design framework presented in the Week 3 lecture?

An overview of CW1.2

A 1000 word report that analyses a case study.

You can choose the case study – but this should be a “technology” that is relevant to design informatics (i.e., a data-driven technology of some sorts) in relation to a specific application domain (such as those presented in the case study lectures).

The analysis should focus on critically discussing **one of** the (1) social, (2) environment or (3) legal implications of the case study technology in relation to the application domain. You should just focus on one these three implications.

In the analysis of the case study, you should find and cite clearly at least five publications and use them to discuss the case study in your own words. You may use unaltered brief extracts but these must be in quotation marks with a clear reference of the source.

CW1.2 is due 9th December at 12:00

There will be a template published on Learn for you to use. More information will be provided in the lecture next week!

How to think about your case study – from Week 3 lecture

Choices & decisions	Implications		
	Social	Environmental	Legal
Design process			
Interface design			
Data gathering & use			
Model development & use			
Openness & transparency			

In this tutorial....

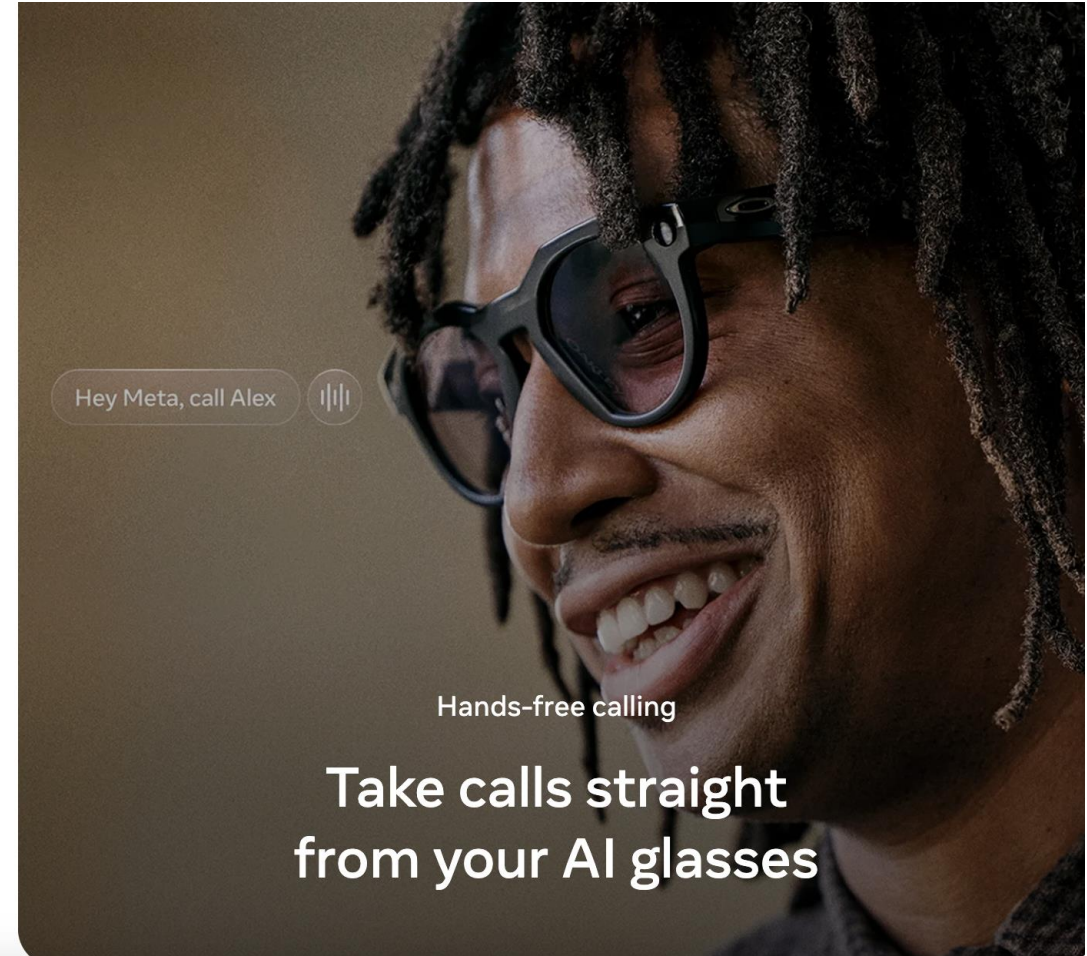
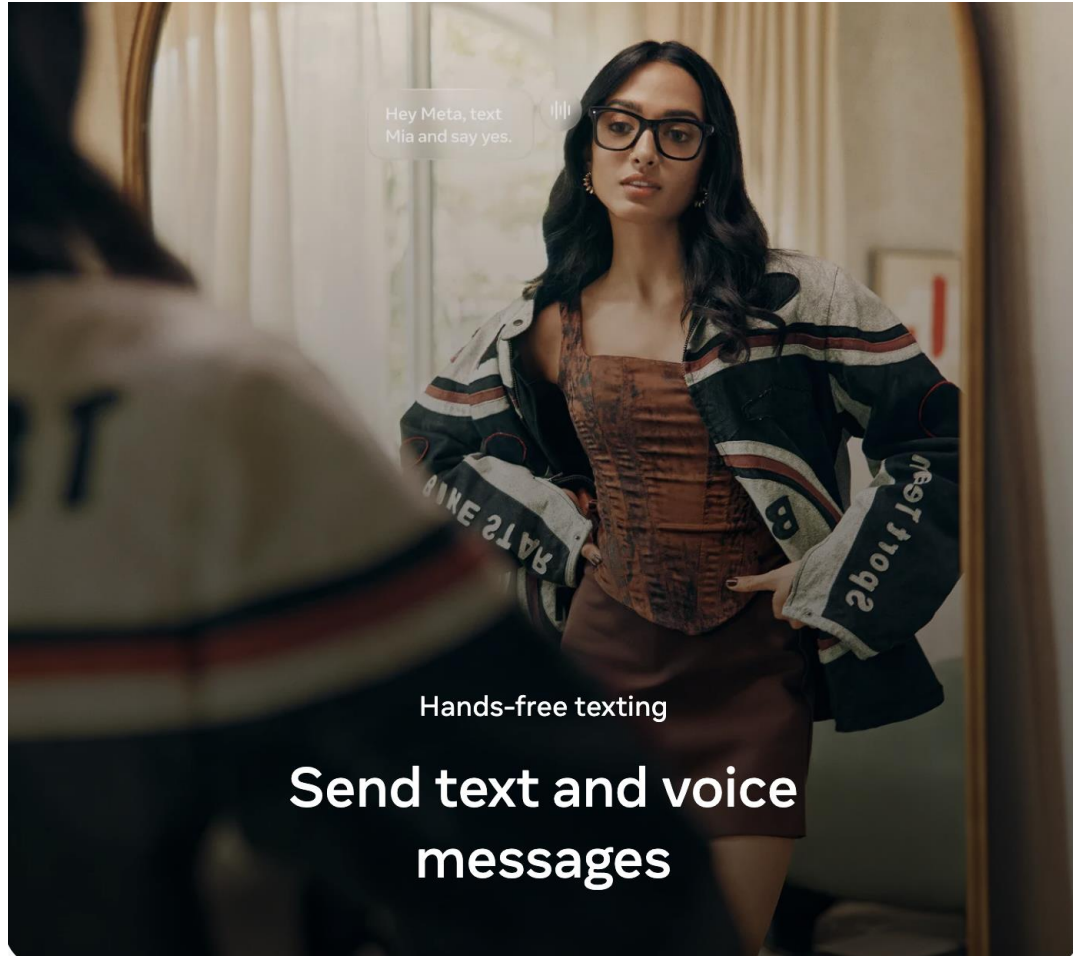
We will explore a case study, focusing on the:

- Social
- Environmental
- Legal

... implications of a technology that is relevant to design informatics

***We will work in small groups of 3-4 students
– get into groups now!***

Our case study today: Smart glasses for everyday wear



<https://www.wired.com/story/smart-glasses-all-the-way-down/>
<https://www.wired.com/gallery/best-smart-glasses/>
<https://www.meta.com/gb/ai-glasses/>

For the rest of the tutorial – work in the Miro

https://miro.com/app/board/uXjVJ-biP9M=?share_link_id=297225483517

Go to the frame for your Tutorial Group, and select a “Group number” for your small group.

Add post-its as notes, and links to references (papers, reports, online articles) as you complete the activities.

Step 1 – in your groups and working on Miro:

*Spend 15 minutes finding out information about **smart glasses for everyday wear**:*

- *What are they?*
- *Who uses them?*
- *How do they work?*

Add a short description based on these questions in Miro.

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Step 2 – in your groups and working on Miro:

*Spend 15 minutes exploring the Social Implications of **smart glasses for everyday wear**.
Consider the following:*

- *Who are their users?*
- *Who could be affected by their use?*
- *How could they change people's work?*
- *How could they affect minoritized groups and individuals?*
- *Can you find academic literature that links to this?*

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Step 3 – in your groups and working on Miro:

*Spend 15 minutes exploring the Environmental Implications of **smart glasses for everyday wear**. Consider the following:*

- *What resources have gone into their creation?*
 - *What resources go into their use?*
 - *How do they consume energy?*
- *What might happen when they break, and what are the environmental implications of this?*
 - *Can you find academic literature that links to this?*

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Step 4 – in your groups and working on Miro:

*Spend 15 minutes exploring the Legal Implications of **smart glasses for everyday wear**.
Consider the following:*

- How do they use data?*
- How do they relate to laws – e.g., safety, data protection and privacy laws?*
 - How might they lead to unlawful use?*
- Can you find academic literature that links to this?*

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