




**NAME:** "The one ring to connect it all"  
**DATE:** May 19, 2024 3:30 AM  
**DESCRIPTION OF TECHNOLOGY**  
 You don't need a phone any more, because everything is now connected in this one ring that is always on (you)



**HUMAN VALUES** 

We become more and more dependent on technology and this is an actual example that is no exclusion to that. Who are we and what can we do when we lose the ring, lose internet connection or lose our data? Can we still think for ourselves then and make up our mind?


**TRANSPARENCY** 

No, this is not necessary for the user. He only has to know and understand the frontend of the tool.


**IMPACT ON SOCIETY** 

You don't need to carry around a lot of devices anymore, because everything is now connected in just one small device that you can easily carry with you, with which you can see your agenda / the weather forecast, open doors, start your car, get reminders, etc, etc.


This way you can leave other stuff like keys and mobile phones at home, because the ring will do anything for you.

**STAKEHOLDERS** 


- ring user

**SUSTAINABILITY** 


A ring is a small thing so it doesn't need a lot of energy (and it doesn't run on batteries, it is rechargeable (with green energy, if you like))

**HATEFUL AND CRIMINAL ACTORS** 


If the ring gets lost or is stolen, then people can access your house, your car, your data, etc. Identity theft can also be an issue here. They can also hack the ring. This allows them to extract information from your ring or know your location where you are now. They can also steal your ring. If they have DNA from you, they will get access to the ring. This allows them to invade your car, home and also do multiple options to make your life miserable.

**DATA** 


At the moment all data that can be acquired is acquired and used for the benefit of the user. This might not be perfect, but it works for now...

**FUTURE** 

People all have these little devices and they cannot live without, they become dependent on technology. Energy consumption is sky-high and we pollute our environment too much. Because of inequalities wars started between the haves and have-nots.

**PRIVACY** 

Yes, it registers and connects to almost every data-point you can imagine, just as our mobile phones do or can do at the moment.


**INCLUSIVITY** 

It handles from a kind of 'standard person' who has a house, drives a car etc. For people who live in tents or on the street, walk from A to B etc, all the functionality might turn out to be useless.


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**HUMAN VALUES** 

**How is the identity of the (intended) users affected by the technology?**


To help you answer this question think about sub questions like:

- If two friends use your product, how could it enhance or detract from their relationship?
- Does your product create new ways for people to interact?...

**TRANSPARENCY** 


**Is it explained to the users/stakeholders how the technology works and how the business model works?**

- Is it easy for users to find out how the technology works?
- Can a user understand or find out why your technology behaves in a certain way?
- Are the goals explained?
- Is the idea of the technology explained?
- Is the technology company transparent about the way their...

**IMPACT ON SOCIETY** 

**What is exactly the problem? Is it really a problem? Are you sure?**


Can you exactly define what the challenge is? What problem (what 'pain') does this technology want to solve? Can you make a clear definition of the problem? What 'pain' does this technology want to ease? Whose pain? Is it really a problem? For who? Will solving the problem make the world better? Are you sure? The problem definition will help you to determine...

**STAKEHOLDERS** 

**Who are the main users/targetgroups/stakeholders for this technology? Think about the intended context by...**


When thinking about the stakeholders, the most obvious one are of course the intended users, so start there. Next, list the stakeholders that are directly affected. Listing the users and directly affected stakeholders also gives an impression of the intended context of the technology.

...

**SUSTAINABILITY** 


**In what way is the direct and indirect energy use of this technology taken into account?**

One of the most prominent impacts on sustainability is energy efficiency. Consider what service you want this technology to provide and how this could be achieved with a minimal use of energy. Are improvements possible?

**HATEFUL AND CRIMINAL ACTORS** 

**In which way can the technology be used to break the law or avoid the consequences of breaking the law?**


Can you imagine ways that the technology can or will be used to break the law? Think about invading someone's privacy. Spying. Hurting people. Harassment. Steal things. Fraud/identity theft and so on. Or will people use the technology to avoid facing the consequences of breaking the law (using trackers to evade speed radars or using bitcoins to launder...)

**DATA** 

**Are you familiar with the fundamental shortcomings and pitfalls of data and do you take this sufficiently into...**


There are fundamental issues with data. For example:

- Data is always subjective;
- Data collections are never complete;
- Correlation and causation are tricky concepts;
- Data collections are often biased;...

**FUTURE** 


**What could possibly happen with this technology in the future?**

Discuss this quickly and note your first thoughts here. Think about what happens when 100 million people use your product. How could communities, habits and norms change?

**PRIVACY** 

**Does the technology register personal data? If yes, what personal data?**

If this technology registers personal data you have to be aware of privacy legislation and the concept of privacy. Think hard about this question. Remember: personal data can be interpreted in a broad way. Maybe this technology does not collect personal data, but can be used to assemble personal data. If the technology collects special personal data (like...

**INCLUSIVITY** 

**Does this technology have a built-in bias?**

Do a brainstorm. Can you find a built-in bias in this technology? Maybe because of the way the data was collected, either by personal bias, historical bias, political bias or a lack of diversity in the people responsible for the design of the technology? How do you know this is not the case? Be critical. Be aware of your own biases....

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