



NAME: Communication-app for people with aphasia  **TICT**

DATE: September 5, 2024 8:34 PM


DESCRIPTION OF TECHNOLOGY
 This is a tablet app where people with aphasia can communicate with others in different ways. The main feature is the communication board with different symbols where they can point at. There's also a dairy, where they can write their memories, add photo's and share them with family and friends. They can look up places, with the Google maps feature, check their appointments in their agenda and read...

HUMAN VALUES 


It can change the user's communication and/or self-sustainability. By using the app regularly, they practise their communication and self-sustainability which will eventually improve over time.

TRANSPARENCY 


Yes, there will be a manual they can always refer to.

IMPACT ON SOCIETY 

The purpose of this app is to facilitate communication between people with aphasia and others. In addition, self-reliance is promoted by various features such as Google maps, an agenda and a video calling function. There are a lot of apps, but they usually focus on one aspect such as drawing. I believe by making this app the life of people with aphasia will be easier and more pleasant because they can be a part of the conversation and not be excluded from it.

STAKEHOLDERS 


- People with aphasia
- Family and friends of the user

SUSTAINABILITY 


We offer cloud services, so the user does not always have to be connected to the internet.

HATEFUL AND CRIMINAL ACTORS 


Someone can invade the privacy of the user by hacking into the app.

DATA 


I am aware of the shortcomings and pitfalls of data. The only data the app will collect is some information about the user such as name, email and phone number.

FUTURE 

It can be extended with even more functionalities.

PRIVACY 




Yes, it will register their name, password, email, phone number and preferred functionalities which are shown on the homepage.

INCLUSIVITY 


No, because the app won't collect the user's personal, political and historical preferences. It's a supporting app that only wants to know the user's name, email, phone number and preferred features.

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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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