QUICKSCAN - CANVAS API synchronizer for OCC and third party ASolutions

NAME: API synchronizer for OCC and third party ASolutions
DATE: September 4, 2024 4:30 AM
DESCRIPTION OF TECHNOLOGY
The main goal is to allow clients to use the application developed by OCC to communicate with a third party, namely ASolutions.

Our technology aims to smooth out the data differences and allow for seamless sharing of information.

HUMAN VALUES

The technology exposes healthcare and medical information of the patient to qualified healthcare professionals.

As there is seldom any situation wherein, in good faith, one would wish to hide medical history from those administering medical care, we do not believe our technology poses a concern for the identity of the user.

TRANSPARENCY

There is currently no specific user manual from our side regarding the technology.

The inner workings, however, are available and are constantly being updated in the project documentation, to which Eurocom has access to. Should the need arise, they may make the decision to share it with the users as they are the ones who will be interacting with the users.

IMPACT ON SOCIETY

The challenge involves synchronizing data between OCC and a third party, namely ASolutions, while also improving data flow.

The problem it resolves is the difficulty of connection between two different IT systems.

STAKEHOLDERS

- Eurocom
- Fontys

SUSTAINABILITY

The energy usage is negligible, equivalent to a single process running on a moderately powerful server. The energy consumption may increase slightly with the scale, but it should not be particularly high at any point.

HATEFUL AND CRIMINAL ACTORS

We were unable to identify a manner in which this technology can be used for nefarious purposes.

DATA

We try to deliver data as it is given by the caretakers and medical professionals who enter this data. We are not qualified to govern the data they use.

We try to make sure the given data can be transferred as efficiently and accurately as possible.

FUTURE

The technology could be replaced in the future, given the rate at which new technologies and innovations develop.

PRIVACY

Yes, personal healthcare and medical data.

INCLUSIVITY

No.

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Fontys
University of Applied Sciences

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TICT

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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.…