QUICKSCAN - CANVAS Model transformation for research specific platforms

NAME: Model transformation for research specific platforms
DATE: September 5, 2024 9:04 AM

DESCRIPTION OF TECHNOLOGY
A langaguage and generation for research projects to efficiently generate research specific software

HUMAN VALUES

(S)he will get more paddings on the back by creating software fast and consitent (I guess).

TRANSPARENCY

Nope, all in time :-)

IMPACT ON SOCIETY

The "pain" for developing a platform for research projects is the fact that software developers most often design and develop the same architecture for research specific software platforms. This is time that can not be spent on research specific requirements.

STAKEHOLDERS

- Software developer
- Researcher
- Test subject

SUSTAINABILITY

Indirect we would like to contribute in more efficient data handling. Provide the tools, but we cannot speak on behave of the software developers and researchers

HATEFUL AND CRIMINAL ACTORS

The software initially does not take GDPR or other laws in to consideraton. There is tooling available, but the developer needs to design the security by him-/herself

DATA

Yes, for certain aspect, we are responisble for integer handling and be concious about the data we handle. Furthermore we provide tools to mitigate these kinds of problems. Nevertheless, we are not in control of the data gathered and process when transforming models into artifacts

FUTURE

A s***load of amnigous software that take up a lot of energy and has no intended use.

PRIVACY

Our software does not register personal data, but the resulting software probably does. We only provide tools to cope with personal data.

INCLUSIVITY

Not that I am aware of. The developer in cooperation with the researcher needs to define a research model. Within that model you can do al kinds of stuff, but in principle it does not discriminate.

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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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