QUICKSCAN - CANVAS

NAME:
DATE:
DESCRIPTION OF TECHNOLOGY

HUMAN VALUES

It barely is. The application is intended to improve your schoolwork (for Fontys students).
This will not create a division between the poster and the reviewer.

TRANSPARENCY

Creating a post on the platform should speak for itself. The whole reviewing and posting new version cycle has to be documented somewhere to support first time users of the application. This cycle will not be as intuitive as creating a post or writing a comment.

IMPACT ON SOCIETY

Fontys is missing a peer reviewing application. There is a peer reviewing tool in Canvas, but not every Fontys department and stream uses Canvas. Besides, the Canvas tool has to be set up by teachers, meaning students can't request feedback when it suits them.
By creating this application, we fix these issues.

STAKEHOLDERS

Fontys Dienst ICT (as the client of the project)
Every student that studies at Fontys
Teachers at Fontys

SUSTAINABILITY

The expected energy consumption is quite low. The application will be hosted on the Fontys azure portal, which is already running. Since this will be a web application, the energy consumption of the end user will be the same as surfing the web.

HATEFUL AND CRIMINAL ACTORS

Users of the application will be able to share pirated/illegal content (pirated movie or book). This content can be shared via the platform since the reviewers have full access to the uploaded content (download should be available as well). Next to illegal content, users can copy work from their peers and pretend it is theirs.

DATA

Yes, the limitations are clear. We are very dependent on valid user input. The poster could, for instance, upload a file that doesn't belong to them. Or the reviewer could write comments that are not related to the document, or just untrue.

FUTURE

The system can play a vital part in the student development for many Fontys departments or streams. Since the system is intended to support teachers to track a student's progress, it can be used regularly.

PRIVACY

The application will not gather any personal information besides that what comes from the Fontys SSO. The information gathered from the SSO will be used in the application to identify posters and commenters and their permissions. The user will have to agree to sharing their SSO information when they sign in for the first time.

INCLUSIVITY

The application is only intended and available for students and teachers of Fontys. This would be the only bias we can think of right now.

FIND US ON WWW.TICT.IO

THIS CANVAS IS PART OF THE TECHNOLOGY IMPACT CYCLE TOOL. THIS CANVAS IS THE RESULT OF A QUICKSCAN. YOU CAN FILL OUT THE FULL TICT ON WWW.TICT.IO

QUICKSCAN - CANVAS - HELPSIDE

NAME:
DATE:
DESCRIPTION OF TECHNOLOGY

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:

- Can the technology be perceived as stigmatising?
- Does the technology imply or impose a certain belief or world view?…

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.

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 wascollected, 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 youknow this is not the case? Be critical. Be aware of your own biases.

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Fontys University of Applied Sciences