NAME: Sioux Parking App
DATE: April 12, 2021 8:28 PM

TICT

DESCRIPTION OF TECHNOLOGY
The Sioux Parking app will detect license plates when a visitor enters the parking lot and send the driver a text message if there is no available parking space. An app for the secretary will also be made to keep track of who is arriving when and whether they have arrived

HUMAN VALUES

No, receiving a text message that the parking lot is full will not hurt someone dignity.

TRANSPARENCY

When a user/visitor calls or emails the secretary and gives the required data, the secretary can explain what the license plate is needed for, that the text message will be sent upon arrival and where the two parking lots are.

IMPACT ON SOCIETY

Our app aims to solve the struggle of driving circles through a parking lot only to realise that there aren't any free spaces by sending a text message.

STAKEHOLDERS

- Jan Willem from Sioux

SUSTAINABILITY

To ensure a minimal use of energy, the license plate recognition app will take occasional screenshots instead of constantly scanning which would use more power.

HATEFUL AND CRIMINAL ACTORS

We do not have any security for the camera therefore if it was to be hacked we wouldn't know.

DATA

Because we are not analysing the data and only collecting, displaying and using it within the application we are not worried about bias or correlations.

FUTURE

This technology could be used in a general app that is not just for sioux to help people find parking lots with space available.

PRIVACY

It registers the license plate, phone number and name of visitors.

INCLUSIVITY

No, it simply recognizes license plates and sends a text message.

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HUMAN VALUES

How does your technology affect the identity of users?

To 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? Does the technology affects users' dignity? Is the technology in line with the person the user wants to be perceived as?

TRANSPARENCY

How is it explained to the users about how a technology works and how the business model works?

Is it easy for users to find out how your 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 business model works?

IMPACT ON SOCIETY

What is the challenge at hand? What problem (what 'pain') does this technology want to solve?

This technology is designed to solve a problem. That is why it is important to exactly define which problem this technology is going to solve. Can you make a clear definition of the problem? What 'pain' does this technology want to ease? Whose pain? The problem definition will help you to determine and discuss if you are solving the right problem.

STAKEHOLDERS

Who are the main users/targetgroups/stakeholders for this technology?

For the Quick Scan, you only have to list the stakeholders. Can you think of the people that are directly or indirectly affected by this technology? There are a lot of stakeholders that are obvious (like users) but we invite you also to think about the less obvious ones. Missing a stakeholder can have great consequences.…

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.

HATEFUL AND CRIMINAL ACTORS

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

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

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. Data is always subjective. Data collections are never complete. Correlation and causation are tricky concepts. Data collections are often biased. Reality is way more complex than a million datapoints. Are you aware of these issues? How does this technology take these issues into account?…

FUTURE

What could possibly happen with this technology in the future?

Discuss this quickly and note your first thoughts here.

PRIVACY

Does this 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. 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 this technology collects special personal data (like health or ethnicity) you should be extra…

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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