QUICKSCAN - CANVAS

Mobeye Mobile Application

NAME: Mobeye Mobile Application
DATE: November 6, 2020 7:03 PM

DESCRIPTION OF TECHNOLOGY
Semester 3 Software Engineering group project for Mobeye. It is a mobile application for receiving alarm messages for various devices, as well as opening doors remotely.

HUMAN VALUES

It does not affect the identity of its users in any way.

TRANSPARENCY

The technology will be very user friendly and responsive, as such there will not be a need for extensive explanation. The users do not need to know about the technology company's business model.

IMPACT ON SOCIETY

This technology will solve the need of Mobeye customers for a responsive alarming system, which is crucial for the use of their Mobeye devices.
It will ensure that the customers will have easy access to all the functionality of their devices, as well as modernize the platform through which Mobeye and its customers indirectly interact.

STAKEHOLDERS

- Product Owner
- Scrum Master
- Device owner (end user)
- Development team

SUSTAINABILITY

For the alarm functionality, our technology will start up only when an alarm has been triggered. This will save a small amount of electrical energy, as the mobile application is not generally very demanding.

HATEFUL AND CRIMINAL ACTORS

There are no ways in which this technology can be used to break the law, or avoid consequences of this. A user will be identified upon logging in, ensuring that sensible information does not fall in the wrong hands. If a user does not need to log in, the information sent to his application will be minimal, and therefore there is virtually no risk.

DATA

Data objectivity is very important for this technology, as it is dealing with devices, doors and phone numbers. The data must be precise for the technology to work as intended.

FUTURE

The technology could expand, and more features could be added if it is successful.

PRIVACY

This technology can store usernames, passwords and phone numbers, but won't often do so. The technology will handle the data securely, for example passwords will be hashed, and we will consider if any additional measures need to be taken in this direction.

INCLUSIVITY

No.

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QUICKSCAN - CANVAS - HELPSIDE

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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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