


NAME: Find My Teacher

DATE: September 2, 2024 9:25 AM


DESCRIPTION OF TECHNOLOGY

A software implementation that allows teachers to share their location and students can find them at Fontys buildings on a map.




HUMAN VALUES

No, we do not affect the identity of the users.




TRANSPARENCY

We will include a user manual so we can explain in details how our application works. We will state our goals and the idea behind the application. We will state that we do not benefit at all from our application so the users can understand our bussiness model.




IMPACT ON SOCIETY

Often students need to get into a personal contact with teachers which often is a time consuming process as messaging and mailing the teachers is not the fastest approach to find them. Our application aims to make it clear that teachers want to be found. It allows for students to find them.




STAKEHOLDERS

- Wetzter, Flip J.P.A.
- Koehorst, Michiel M.W.
- Strahilov, Kristiyan K.D.
- Tsvetkov, Alexander A.T.
- Ivanov, Rostislav R.R.
- Velikov, Vasil V.Z.
- Gronewegen van der Weijden, Michaël M.J.L.
- Students
- Teachers




SUSTAINABILITY

While using our application, you consume your electronic device's battery. Our web server and database which are hosted on Azure are also using electricity. Because of these factors we do not have direct control over our energy consumption. The only way to improve the energy consumption of our application is to optimize the software to be as energy efficient as possible.




HATEFUL AND CRIMINAL ACTORS

The location is something private and by sharing it we can enter someone's personal space. If we encounter a data leak, this will be risky for the teachers. As the application tracks the position of its user this may result in a student missusing this information and further to spy/stalk on teachers, invade their privacy even hurting them when they know a teacher is alone.




DATA

We are using an API made by someone else and this gives us no power to control the data we receive.




FUTURE

A mobile application can be developed for an easy access from the user's phone. It can also be extended for automatic attendance for the students and teachers.




PRIVACY

The application stores a user's name, PCN and location.



INCLUSIVITY

We do not exclude any groups of people from using the application because it does not focus on who the user is.



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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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