

NAME: DynamicDash

DATE: April 7, 2022 2:50 PM

DESCRIPTION OF TECHNOLOGY



The goal of the project is to create a low-code application that would offer the management a way to track various information and perform daily tasks through one platform. That would lead to more efficient and sustainable work performance.

HUMAN VALUES



They would not be affected by the use of technology. It would greatly elevate the current working process of the client, however, in a personal context, they would not be affected.

TRANSPARENCY



The stakeholders and users are aware of the idea behind the creation of the technology and are inline with the final goal.

IMPACT ON SOCIETY



One of these clients, which is looking for an improved and automated working process is Dinner In Motion. Currently, the client uses various systems and platforms that are not connected to one another and require a great deal of manual work to ensure that everything is updated. Dinner in Motion does not have a way of viewing specific statistics regarding its business, for instance, the number of reservations, waiting list, profit, expenses, etc.

STAKEHOLDERS



- Dinner In Motion
- Technical Teachers
- Project Owner

SUSTAINABILITY



As the technology would be deployed and stored on the cloud it could be said that Dynamic Dash is sustainable. It is estimated that by using the cloud, 84% less power is consumed and there is also reduced carbon emissions by around 88%.

HATEFUL AND CRIMINAL ACTORS



Dynamic Dash would display an overview of the reservations which customers make, which may include personal details such as telephone numbers, names, emails, birthdays, etc. There exist a minimal risk of someone hacking the application and stealing this customer information and later on using it for malicious activities

DATA



The data that would be stored might be incomplete and inconsistent which may result in the performance of the application and the statistics processed by the data might not be always correct

FUTURE



Dynamic Dash could introduce an efficient and user-friendly way of displaying statistics.

PRIVACY



Yes, the technology registers personal data. It stores first and last name, birthday, phone number, email, food allergies. Only necessary data would be stored in the database.

INCLUSIVITY



There is no built-in bias in the application

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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...


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...


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...

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?...

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.

...

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;...


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....


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...


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?

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?

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