

NAME: Business

DATE: May 3, 2025 10:55 PM

DESCRIPTION OF TECHNOLOGY

Data science and process optimisation



HUMAN VALUES

Het systeem zou als toevoeging kunnen bijhouden hoe lang de medewerker al aan het werk is en zodanig meldingen geeft dat het nu eens tijd is voor een pauze of dat het genoeg is voor vandaag. Teveel werken beperkt de arbeidsproductiviteit.

TRANSPARENCY

IMPACT ON SOCIETY

De technologie iets menselijker maken en het systeem ook kan rekenen met maatschappelijke situaties en kan zien of dit misschien een impact heeft gehad op het probleem om hier een beter beeld van te krijgen

STAKEHOLDERS

Een aantal stakeholders zouden kunnen bijdragen aan het automatiseren van het ERP systeem waardoor aanvragen en facturen niet door meerdere medewerkers van het financieel departement moet, maar slechts op enkele punten gecontroleerd moet worden.

SUSTAINABILITY

HATEFUL AND CRIMINAL ACTORS

Er kan een geheimhoudingscontract worden gedeeld waardoor er grote gevolgen zullen zijn indien ze iets met opzet lekken. Door iedere medewerker een eigen account te geven op het systeem, kun je ook zien wat er gebeurd op dit platform

DATA

Er zou iets van een betrouwbaarheids cijfer uit moeten komen. Er zijn altijd uitschieters in een groep maar dat heeft gevolgen voor het totale en gemiddelde. Door een betrouwbaarheidscijfer toe te voegen van de spreiding, weet je dat er uitschieters zijn en de groepmeting niet representeert.

FUTURE

n.v.t.

PRIVACY

Een verificatie toevoegen wanneer de medewerker gevoelige data wil inzien. Medewerkers die werken met gevoelige data een geheimhoudsverklaring laten invullen om wangedrag zoveel mogelijk te voorkomen.

INCLUSIVITY

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Fontys
University of Applied Sciences





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HUMAN VALUES

Now that you have thought hard about the impact of your technology on human values, what improvements...

If you think about the impact of this technology on human values and needs. If you think about how this technology affects the identity of the user, the autonomy of the user (can the users make their own decisions?) and the health and well-being of the user. If you think about all that, what improvement would you (want to) make? In the technology?...

TRANSPARENCY

Now that you have thought hard about the transparency of this technology, what improvements would you like t...

If you think about the communication on the way the technology works and the businessmodel. If you think about the explanation on automatic decisions that are made. If you think about complaint procedures and transparency on possible negative effects. If you think about all that, what would you (want to) improve? In the technology? In context?...

IMPACT ON SOCIETY

Now that you have thought hard about the impact of this technology on society (by filling out the questions...

If you think about the real problem this technology is going to solve. If you think about the ability of this technology to solve the real problem. If you think about possible negative effects and whether this technology will contribute to a world you want to live in. If you think about all that, what improvements would you make? In technology? In context? In use?...

STAKEHOLDERS

Now that you have thought hard about all stakeholders, what improvements would you like to make? List them...

If you think about all stakeholders of this technology. If you think about stakeholders that are less obvious. If you think about the way certain stakeholders are affected by this technology and if you want to take them into consideration. If you think about all that, what would you (want to) improve? In the technology? In context? In use?...

SUSTAINABILITY

Now that you have thought hard about the sustainability of this technology, what improvements would you like t...

If you think about the direct and indirect energy use and the materials that are used in the technology. If you think about the lifespan of the technology and the hidden environmental impact of the technology. If you think about all that, what improvements would you (want to) make? In the technology? In context? In use?...

HATEFUL AND CRIMINAL ACTORS

Now that you have thought hard about how bad actors can impact this technology, what improvements would...

If you think about this technology being used to break the law, or avoid the consequences of breaking the law, or to be used against certain groups, or to attack the truth or to pit certain groups against each other. If you think about all of that, what improvements would you (want to) make? In the technology? In context? In use?...

DATA

Now that you have thought hard about the impact of data on this technology, what improvements would you...

If you think about the limitations of data. Things like subjectivity, incomplete datasets and so on. If you think about the way new insights are handled. If you think about the sustainability of the collection of data or the data that is collected from the users. If you think about all that, what would you (want to) improve? In the technology? In context?...

FUTURE

Impact Improvement: Now that you have thought hard about the future impact of the technology, what...

If you think about an utopian and a dystopian scenario. If you think about the way this technology can change the world. If you think about the consequences of a different party buying your technology. If you think about all that, what would you (want to) improve? In the technology? In context? In use? ...

PRIVACY

Now that you have thought hard about privacy and data protection, what improvements would you like to make?...

If you think about this technology invading someone's privacy or collecting personal data and if you think about the way this technology is compliant with prevailing law and mitigates dataprotection risks and concerns. If you think about all that, what improvements would you (want to) make? In the technology? In context? In use?...

INCLUSIVITY

Now that you have thought hard about the inclusivity of the technology, what improvements would you like to...

If you think about accessibility to this technology. If you think about built in biases or automatic decisions that may be biased. If you think about who is benefitting from this technology and the diversity of the team that creates the technology. If you think about all that, what improvements would you (want to) make? In the technology? In context? In use? ...

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