IMPROVEMENTSCAN - CANVAS

Ring doorbell video

NAME: Ring doorbell video
DATE: July 12, 2025 6:22 AM
DESCRIPTION OF TECHNOLOGY

TICT

HUMAN VALUES

It would be better if Ring could stop sending alerts when it sees someone who lives in the house. Also, it should let users turn off alerts during sleep or busy times

TRANSPARENCY

1.Add a simple section in the app or website that explains how the ring works and how user data is used
2. Include clear reasoning in notifications when the device takes action (for example, why a motion alert was triggered)
3. Build an easy complaint/feedback form in the app for users to report issues or concerns

IMPACT ON SOCIETY

I believe it could be improved in a few important ways.
1. The live video feature and cloud storage should be available without a paid subscription, since these are basic functions that users expect after buying the device.
2. The motion detection system should be more accurate to avoid unnecessary alerts when neighbours or people far away trigger it. 3. The device should recognise faces of household members and reduce alerts when they are detected, to avoid disturbing the user

STAKEHOLDERS

1.Include all key groups: Add local authorities, delivery companies, and neighbors as stakeholders, since they are also affected by the doorbells data and alerts.
2.Improve communication: Clearly inform all stakeholders (not just users) about how the technology works and how it might impact them.
3.Create regular feedback moments: Ask for feedback from different stakeholder groups to improve the technology based on their needs and concerns.

SUSTAINABILITY

1. Use the recyclable materials in the casing
2.Add info in the app showing total energy usage
3.offer battery recycling programs or allow easy battery raplacment

HATEFUL AND CRIMINAL ACTORS

I would add a feature that alerts the user when the same unknown person appears multiple times around the door. The system should also warn about suspicious access or changes to the account. Users should have more control over who can view or share the videos, and there should be better protection from hacking or abuse

DATA

Amazon should explain clearly how long videos are stored and who can see them. Also, users should be able to turn off data sharing with third parties easily

FUTURE

1. Create long-term privacy policies that protect users even if ownership changes
2. Allow users to decide how their data is shared in case of a company buyout
3. Keep transparency and ethical standards as part of the product, no matter who owns it in the future

PRIVACY

Stronger privacy notifications when sharing is active, easier tools to delete recordings, and better control over what data is stored and for how long. Also, more education for users about how their data can be used

INCLUSIVITY

1. Make the app interface easier to use, especially for older people or those who are not good with technology
2. Add support for more local languages in the app
3. Offer a more affordable or basic version for people with lower income

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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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