


NAME: Web Application

DATE: September 2, 2024 11:15 PM

DESCRIPTION OF TECHNOLOGY
Web Application for helping shelters to connect with possible adopter. By having this web application it helps both adopter and shelter to easily connect one to another.




IMPACT ON SOCIETY




To adopt an animal from a shelter, one typically needs to visit each shelter's website. However, this can be inconvenient if the shelter is far from the adopter's location. In such cases, the adopter may need to search for another shelter that is more accessible. The solution to this problem is a web app that allows adopters to access multiple shelters and filter their search by location. By using this app, adopters can easily find shelters near their location and streamline the adoption process.

HATEFUL AND CRIMINAL ACTORS




The web app could be used to facilitate illegal activities such as animal trafficking or smuggling by connecting potential buyers with sellers. It could also be used to create fake adoption agreements to cover up illegal activities. The web app could also be used to create a false record of an animal's adoption, which could be used to avoid legal consequences related to animal ownership. For example, someone who illegally acquired an animal could use the web app to create a record of adoption to avoid being caught by authorities.

PRIVACY



Because the animals' lives are at stake, we take registration verification seriously. We require some sensitive information, like a government ID and a photo of the user holding it, to ensure that we can trust the people using our app. We may also ask for some additional personal details to help us reach out to users if there are any concerns about the animals or shelters.

HUMAN VALUES




The web app may affect the identity of its intended users in various ways. For example, the app may require users to register and provide personal information, such as their name and contact information, which can be used to create a digital identity within the app. Additionally, the app may have features that allow users to interact with each other, such as through messaging or commenting, which can also affect their online identity and reputation.

STAKEHOLDERS




- adopter
- Shelter

DATA




fundamental shortcomings and pitfalls of data, such as bias, errors, and misinterpretations, are important considerations in developing any data-driven system or application. It is essential to thoroughly understand the data being used, its limitations, and potential biases to prevent negative impacts on users and ensure fair and ethical use of the data. Incorporating measures such as regular data audits and testing can help to identify and address any issues that may arise.

INCLUSIVITY




no, my application will be neutral. All the decision will be made by the user itself.

TRANSPARENCY




Certainly, during the development of this application, I will empathize with the end-users to comprehend their perspective towards the application. Additionally, before the final release of the project, I will conduct user testing to determine if the application is user-friendly and comprehensible.

SUSTAINABILITY



To minimize the energy use of a web app, several measures can be taken such as optimizing the code to reduce its size, using efficient algorithms, optimizing images and videos, enabling caching, reducing the number of HTTP requests, and using a content delivery network (CDN) to distribute static files. Additionally, the use of renewable energy sources to power the server can significantly reduce the environmental impact of the web app.

FUTURE



On the positive side, the web app could become more widely adopted and successful, helping more animals to find homes and increasing awareness of animal welfare issues. It could also be further developed to incorporate new features and technologies that enhance its usefulness and ease of use for stakeholders. On the negative side, the web app could be subject to data breaches or cyber attacks, which could compromise sensitive user information and damage the reputation of the app. It...

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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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