QUICKSCAN - CANVAS

Behavior Trees

NAME: Behavior Trees DATE: May 6, 2024 8:29 AM DESCRIPTION OF TECHNOLOGY Behavior trees are a formal, graphical modelling language used primarily in systems and software engineering. Behavior trees employ a well-defined notation to unambiguously represent the hundreds or even thousands of natural language requirements that are typically used to express the stakeholder needs for a large-scale software-integrated system.	HUMAN VALUES The technology does not affect the identity of the user.	TRANSPARENCY Due to the way the graphing works it's very easy to explain what the pathing is for a program. If it allowed, the behavior tree would be very easy to explain to non-it-specialists.
IMPACT ON SOCIETY The purpose of behavior trees is to easily and organically graph out behavior of a piece of software. This improves workflow and makes decision trees better to read.	STAKEHOLDERS - Programmer	SUSTAINABILITY
HATEFUL AND CRIMINAL ACTORS 😜	DATA	FUTURE The technology can be expanded to allow more features, this has to trickle down to libraries that implement this logic into different kinds of programming languages. The amount of users will increase and community implementations will start to show up.
PRIVACY	INCLUSIVITY	FIND US ON WWW.TICT.IOTHIS CANVAS IS PART OF THE TECHNOLOGY IMPACT CYCLE TOOL. THIS CANVAS IS THE RESULT OF A QUICKSCAN. YOU CAN FILL OUT THE FULL TICT ON WWW.TICT.IOWWW.TICT.IOImage: Structure of Applied SciencesImage: Structure of Applied Sciences

QUICKSCAN - CANVAS - HELPSIDE

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DESCRIPTION OF TECHNOLOGY

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IMPACT ON SOCIETY

What is exactly the problem? Is it really a problem? Are vou 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

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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....





- 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?

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FUTURE

What could possibly happen with this technology in the

Discuss this guickly 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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