QUICKSCAN - CANVAS

OSINT CTF Platform

NAME: OSINT CTF Platform
DATE: May 16, 2026 6:57 PM

DESCRIPTION OF TECHNOLOGY
A CTF platform for cyber security students and professionals to learn more about OSINT in a gamified way.

HUMAN VALUES

The platform can teach someone skills that can be used in a malicious way. For some this can be perceived as a chance to use these skills for illegal purposes. The actual purpose of the platform is to teach users meaningful skills that can help them find a passion and improve their career.

TRANSPARENCY

Users will get a clear explanation of the CTF platform and what the purpose of it is.

IMPACT ON SOCIETY

Our project wants to teach and give a better understanding of OSINT in a cyber security context to students and other professionals in the field. CTFs are a common gamified way to learn and experiment in the cyber security field and a platform for this will help in our mission.

STAKEHOLDERS

- Cyber Security students
- Fontys Cyber Security teachers

SUSTAINABILITY

The platform will be hosted on a server that requires energy. Users of the platform will also be on computers which are using energy.

HATEFUL AND CRIMINAL ACTORS

Our platform is meant to teach about OSINT in a legal and ethical way. Some of the skills and practices that come with learning about OSINT and cyber security can be used by people in a malicious way. This is however out of our control and outside the scope of the project and we urge users to not use their skills for illegal purposes. New CTF challenges that will be made available on our platform should be carefully reviewed, as they may contain content or challenges that invade someone's privacy.

DATA

We are aware of the shortcoming and pitfalls of data and properly take this into account during the realization of the project by conforming to ethics and guidelines and laws.

FUTURE

The platform could expand into a global public learning tool for Cyber Security and OSINT that could be monetized.

PRIVACY

Our vision of the data we will be collecting is not complete yet, but we can assume that there will be some form of registration and login system where we will be asking for personal information. This data contains usernames, password, emails and possibly other information.

INCLUSIVITY

The platform will feature CTF challenges, created by us and optionally by third-parties. These challenges may contain biases in the way of learning that are based of the creator.

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THIS 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.IO

QUICKSCAN - CANVAS - HELPSIDE

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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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