NAME: Simplaner

DATE: July 5, 2025 10:25 PM

DESCRIPTION OF TECHNOLOGY

The goal is to develop a Practical Exam Planner web application. Currently, exams are being scheduled with Excel, Notepad, Emails and phone calls. This process is not visible to every stakeholder and this can lead to clashes between teams.

Simacs client wants to have a system in which you can schedule exams according to the availability of resources…

HUMAN VALUES

There are three kind of users: staff member, student and invigilator. The users identity will not be affected, the applications intent is only to schedule exams and see exams.

TRANSPARENCY

Yes it is explained how the technology works to the users/ stakeholders, it will be explained in the user manual.

IMPACT ON SOCIETY

The purpose of the Simplaner is to reduce hustle and bustle of scheduling exams. We believe that - especially with international stakeholders - there is incredible confusion while scheduling exams. The Simplaner is a simple way of scheduling exams. We believe that a single web application can resolve the problem with planning. Also, the app will be accessible for students, for them to check upcoming exams.

STAKEHOLDERS

- Staff Member
- Student
- Invigilator

SUSTAINABILITY

This technology only uses a server and you can access it from any computer with a web browser. We have no say in what computers the users will use, but we can recommend the product owner to use cloud based servers instead of their own hardware, because it can be much more energy efficient.

HATEFUL AND CRIMINAL ACTORS

In some cases, it could violate internal regulations of scheduling exams, e. g. the exam could be scheduled in a week, rather than in 2 weeks as stated in regulations. It could be easily omitted by setting the first (and last) possible date accordingly to internal regulations.

DATA

We are familiar with the fundamentals shortcomings and pitfalls of data and we take them into account in the technology.

FUTURE

In the future, the technology can be taken over by other people or the company and could even be improved.

PRIVACY

We are using a third party identity provider, most of the users personal data isnt stored in our database. However, we store data about users availability, so some clues about personnels schedules are stored in our system. Login details are also personal data, we are going to store email addresses, so those have to remain hidden.

INCLUSIVITY

No, It doesnt have a built-in bias. The exams will be scheduled in a fair way, every user will be treated equally.

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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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