

AI

We are building a game revolving around AI. It is crucial that everything is up to standards, ethics wise.

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Technology Impact Cycle Tool

AI

Impact on society

What impact is expected from your technology?

What is exactly the problem? Is it really a problem? Are you sure?

We want to show people the potential of AI through a text bases game.

Are you sure that this technology is solving the RIGHT problem?

It is a fun and immersive way to learn about the potential and the danger AI has.

How is this technology going to solve the problem?

It is going to open a window for people to look into the future of AI, an extremely relevant technology evolving every day!

What negative effects do you expect from this technology?

There are fears that AI might take over (jobs), we don't want to scare people, just inform them about the potential.

In what way is this technology contributing to a world you want to live in?

It makes sure people are aware of AI and maybe, AI developers will think again about the impact their creation might have.

Now that you have thought hard about the impact of this technology on society (by filling out the questions above), what improvements would you like to make to the technology? List them below.

We would like to see a world where AI can help humanity become better and more efficient.

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Hateful and criminal actors

What can bad actors do with your technology?

In which way can the technology be used to break the law or avoid the consequences of breaking the law?

If someone buys the product from the company, they might use it to, unwillingly and unknowingly from the user, collect data the should not collect.

Can fakers, thieves or scammers abuse the technology?

You only talk to an AI in the game, there is no way the story can be affected to other people.

Can the technology be used against certain (ethnic) groups or (social) classes?

No. There is no possibility for that.

In which way can bad actors use this technology to pit certain groups against each other? These groups can be, but are not constrained to, ethnic, social, political or religious groups.

When bought, a company or individual might change the story so it might hurt certain groups.

How could bad actors use this technology to subvert or attack the truth?

When giving wrong information or a wrong idea about AI in the game. People who don't know much about it will not be able to distinguish truth from lies.

Now that you have thought hard about how bad actors can impact this technology, what improvements would you like to make? List them below.

I would like to create a robust story with a good database so no people can change it.

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Privacy

Are you considering the privacy & personal data of the users of your technology?

This category has not been filled yet.

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Human values

How does the technology affect your human values?

This category has not been filled yet.

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Stakeholders

Have you considered all stakeholders?

Who are the main users/targetgroups/stakeholders for this technology? Think about the intended context by answering these questions.

Name of the stakeholder

Greenhouse

How is this stakeholder affected?

This stakeholder is the project owner and has all final decisions

Did you consult the stakeholder?

Yes

Are you going to take this stakeholder into account?

Yes

Name of the stakeholder

Users

How is this stakeholder affected?

These are the people who are going to play the game. The game has to be made so it is fun for them, but they should learn something from the game as well.

Did you consult the stakeholder?

Yes

Are you going to take this stakeholder into account?

Yes

Did you consider all stakeholders, even the ones that might not be a user or target group, but still might be of interest?

Name of the stakeholder

AI experts

How is this stakeholder affected?

Maybe our game will effect the whole AI landscape and change the way (AI) experts look at AI

Did you consult the stakeholder?

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Yes

Are you going to take this stakeholder into account?

Yes

Now that you have thought hard about all stakeholders, what improvements would you like to make? List them below.

We would like to talk to more AI experts about the subject and the impact of the game

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Data

Is data in your technology properly used?

Are you familiar with the fundamental shortcomings and pitfalls of data and do you take this sufficiently into account in the technology?

Yes, we are not collecting any data

How does the technology organize continuous improvement when it comes to the use of data?

We would like to connect a database to the game, but need to do this in a safe en data private way

How will the technology keep the insights that it identifies with data sustainable over time?

Nobody should be able to see the data, it only lies in the protected database.

In what way do you consider the fact that data is collected from the users?

We do not want to do anything with the data from the users. it is only to help save a game.

Now that you have thought hard about the impact of data on this technology, what improvements would you like to make? List them below.

We want a database connected, but no data to be stored outside of this.

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Inclusivity

Is your technology fair for everyone?

Will everyone have access to the technology?

Yes, it is a game that is available on the internet everywhere

Does this technology have a built-in bias?

Not really, the story is set so there is no changing that. Only the endings are somewhat dynamic

Does this technology make automatic decisions and how do you account for them?

Yes, but they are decisions fitting with the previous decisions you made. It may be good to change that.

Is everyone benefitting from the technology or only a small group?

Do you see this as a problem? Why/why not?

There is no real benefitting from this technology. It might change your views on AI and technology in general

Does the team that creates the technology represent the diversity of our society?

This is not really relevant. The team consists of 3 college students.

Now that you have thought hard about the inclusivity of the technology, what improvements would you like to make? List them below.

We would like to get people to understand what they are getting into before they start.

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Transparency

Are you transparent about how your technology works?

Is it explained to the users/stakeholders how the technology works and how the business model works?

Not yet. We don't explain it is not a real AI. This must change

If the technology makes an (algorithmic) decision, is it explained to the users/stakeholders how the decision was reached?

It does not make algorithmic decisions, but see the answer above.

Is it possible to file a complaint or ask questions/get answers about this technology?

Yes. There is a feedback button.

Is the technology (company) clear about possible negative consequences or shortcomings of the technology?

Yes, there has been done a lot of research and there are dedicated departments for the technology and ethics.

Now that you have thought hard about the transparency of this technology, what improvements would you like to make? List them below.

We need to say that the AI is not real before the player starts the game.

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Sustainability

Is your technology environmentally sustainable?

This category has not been filled yet.

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Future

Did you consider future impact?

What could possibly happen with this technology in the future?

This question has not been answered yet.

Sketch a or some future scenario (s) (20-50 years up front) regarding the technology with the help of storytelling. Start with at least one utopian scenario.

AI helps humans improving on life. For instance, helping with communication, self driving cars, care for demented elderly, etc.

Sketch a or some future scenario (s) (20-50 years up front) regarding the technology with the help of storytelling. Start with at least one dystopian scenario.

AI has taken over, like in the Matrix. Humans are no longer the ruling power over the worlds.

Would you like to live in one of this scenario's? Why? Why not?

Yes, a future with AI, when handled correctly, might be able to assist us humans in so many ways.

What happens if the technology (which you have thought of as ethically well-considered) is bought or taken over by another party?

We might be in ethical danger. Bad actors might do bad things with AI

Impact Improvement: Now that you have thought hard about the future impact of the technology, what improvements would you like to make? List them below.

Make sure the whole game tells the truth about AI: the possibilities and the dangers.