




**NAME:** TutorFlow 

**DATE:** June 26, 2026 11:56 AM


**DESCRIPTION OF TECHNOLOGY**  
lesson slots booking app

**HUMAN VALUES** 


TutorFlow can help tutors present themselves professionally through profiles and availability. Students can feel more independent because they can book lessons without long manual communication. However, profiles should not reduce tutors only to basic data or availability.

**TRANSPARENCY** 


The system should clearly explain that students can view tutors, choose available lesson slots, and book lessons. Tutors should understand how to create a profile and manage availability. If payments are added later, the business model must also be explained clearly.

**IMPACT ON SOCIETY** 


TutorFlow solves the problem of unclear and time-consuming tutor booking. Students often need to message tutors manually to ask about availability, while tutors have to manage lesson requests themselves. TutorFlow makes this easier by showing available lesson slots and allowing students to book in a structured way.

**STAKEHOLDERS** 


- Tutors
- Students
- Parents of students
- educational institutions

**SUSTAINABILITY** 


TutorFlow uses energy through hosting, database storage, and web usage. The energy use is limited, but the system should still avoid unnecessary API calls, load only needed data, and keep the application efficient.

**HATEFUL AND CRIMINAL ACTORS** 


The platform could be misused through fake accounts, spam, impersonation, or unauthorized access to personal data. To reduce this risk, TutorFlow should use secure login, password hashing, role-based access, validation, and logging.

**DATA** 


Yes. TutorFlow depends on user-entered data, which can be incomplete or outdated. For example, tutors may forget to update their available slots. This can be reduced with clear forms, validation, and allowing users to update their information.

**FUTURE** 

TutorFlow could grow with features like Google Calendar integration, reminders, payments, reviews, and tutor recommendations. If the platform grows, privacy, security, fairness, and transparency will become more important.

**PRIVACY** 

Yes. TutorFlow stores personal data such as name, email, password, role, tutor profile information, subjects, lesson slots, and bookings. Passwords should be stored securely, and only necessary data should be collected.


**INCLUSIVITY** 

There can be bias if some tutors look better only because their profile is more complete or more visible. If search or ranking is added later, it could also affect which tutors get more bookings. The interface should be fair and simple for all users.

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**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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