Privacy engineering and particularly privacy threat modelling have gained a lot of attention in the recent years. Many methodologies have been proposed to model privacy threats. An example of such methods is the widely used LINDDUN method [1].

As some recent (ISO/IEC) standards and regulations (e.g., GDPR) require handling risks associated with the elicited threats, we combined the LINDDUN method with a privacy risk rating method forming a holistic method that takes the system model as input and outputs a list of privacy risks.

Your task in this project work is to implement a tool to support the deployment of our developed method. Related work to such a tool is the commonly used Microsoft threat modelling tool which is used for security [2]. Another very related example that is considered an extension to the MS tool is the TMTTe4PT tool [3]. There are no restrictions on the technologies or languages used in the implementation as long as it achieves the required features similarly to, e.g., TMTTe4PT.

This project can also be extended to a thesis by including research questions related to the countermeasure selection process.

[1] https://www.linddun.org

This project is ideal for you if you want to gain more insights into privacy engineering and privacy threat modelling. If you have particular questions about the thesis possibility of this topic, do not hesitate to ask.

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If you are interested or you need additional details, feel free to contact me or drop by for a non-binding chat.