A generic AI training Approach based on existing AI Models

AI chat clients such is a ChatGPT are becoming more and more popular. They enable a wide range of possibilities, with their main strength in AI text processing. However, these clients have a major drawback, and that is that users of these clients have no control of their data.

Therefore, users are highly sceptical about using these assistance tools in their business.

These clients are based on usually open-source AI models that can be easily used locally or in private networks. However, such deployment requires a significant development effort, preventing the adoption of these clients in a wider business space.

The goal of this project is to create a robust framework with well-defined interfaces and bring assistant clients to companies, without risking leaking of confidential data. The framework will also enable a seamless update of the underlying AI models, as well as the local training of data, making it more customisable. Furthermore, it will enable transfer of lessons learned between different underlying AI models. It will comprise a generic AI model, user interface, and an interface for learning with the ability of reinforced learning and manual supervision.

The main benefits of such approach will be the following:

- Business will be able to deploy such client without fear of losing their data.

- The framework will offer a capability for adjustable user interface (e.g., from text to different types of documents).

- The framework will follow interface-based approach that will enable it to switch between different AI models.