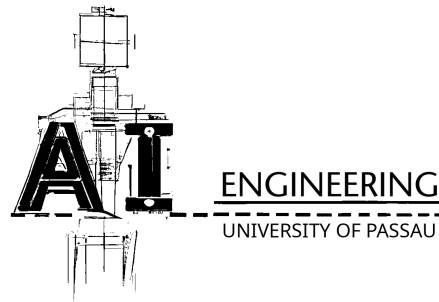


Principles of AI Engineering

Exercise 7

Prof. Dr. Steffen Herbold



Author: Lukas Schulte

Project task

Create a client application that must consume your REST API. This may be a web application or a native application. The important requirement is, that it uses the REST API of your server application.

You can find a sketch for the UI below. Modify it at your own discretion.

A UI sketch on a grid background. It features a window with a title bar. Inside the window, there are two text input fields: 'Title:' and 'Body:'. To the right of these fields is a 'Predicted label:' section with three radio button options: 'Enhancement' (selected), 'Bug', and 'Question'. At the bottom of the window, there are two buttons: 'Predict' and 'Submit'.

Questions

1. Describe how you would design the deployment architecture from the problem description. You can make assumptions, e.g., data/model size where appropriate. Include information on where the model is deployed, opportunities for telemetry, update times, latency.

2. What would be the advantages and disadvantages of deploying the application with a microservice architecture?