PROBLEM STATEMENT

Tesla is building a platform to manage used car resales and improve its pricing strategy for incoming trade-ins. As part of this, you are asked to build a simple application that can manage car listings and provide price predictions for new cars using historical data.

You are provided with a dummy dataset of past used car resales: dummy_dataset.csv. This dataset contains examples of Tesla vehicles that have been sold in the past, including features such as mileage, model, year, and final selling price.

You are expected to deliver an application that meets the following requirements:

1. **Car Lookup Interface**
   Build a user interface that allows someone to **look up a car** by its ID and view all of its features.
2. **Add New Car Interface**
   Extend the interface to allow a user to **add a new car** to the system by filling in the relevant features.
3. **Price Prediction Endpoint**
   Implement a **POST endpoint** that receives a car with its features and returns a **predicted price** based on the historical data.

Delivery Guidelines

- You must provide all necessary code to **run your solution locally**.
- The solution must run in a **containerized environment**.
- Provide a `README.md` with clear instructions on how to build, run, and test the application.

Additional Notes

You are free to decide how to design, implement, and structure your solution. Make any technical assumptions you find necessary, and document them if relevant.