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| Date | 30 th September 2022 |
| Project Name | Car Resale Value Prediction |

Solution Architecture

Product Structure:

- A Flask Application will serve as the UI for the user to enter his details and check the valuation of the vehicle
- A Machine Learning model to evaluate the resale value of the vehicle will be adequately trained and tested
- This model will then be integrated into this Flask application
- After entering the required details, the user will be able to see the estimated valuation of the vehicle as given by our model.

Product Features:

- The application will be able to accurately predict the resale value of a vehicle after being given a set of parameters
- Incredibly easy to use for the user with a simple UI and quick valuations

Solution Requirements:

- Keen knowledge of Python programming is required to develop a Flask application
- Knowledge of Python libraries such as Pandas, NumPy and Scikit Learn is needed in order to develop a competent ML model.
- The data that is used to train and test the ML model must be varied, comprehensive and cleaned in order to avoid high bias
- The model must not be overfit on the train data as that will lead to inaccurate predictions.

Product Architecture:

