Model Development Phase Template

Date	15 July 2024
Team ID	739956
Project Title	Revolutionizing Automotive Resale: AI-Driven Prediction of Used Toyota Corolla Car Prices
Maximum Marks	4 Marks

Initial Model Training Code, Model Validation and Evaluation Report

The initial model training code will be showcased in the future through a screenshot. The model validation and evaluation report will include classification reports, accuracy, and confusion matrices for multiple models, presented through respective screenshots.

Initial Model Training Code:

```python
features = ['Model', 'Fuel_Type', 'Weight', 'Quarterly_Tax', 'CC', 'Backseat_Divider', 'KM', 'Age_08_04', 'Mfg_Year']

x = df[features]
y = df['Price']

from sklearn.model_selection import train_test_split
X_train, X_test, y_train, y_test = train_test_split(x, y, test_size=0.2, random_state=42)
```

Model Validation and Evaluation Report:

Model	Classification Report	Accuracy	Confusion Matrix
Linear Regression	-	-	-
Random Forest	-	-	

Decision Tree	-	-	-
XG Boost	-	-	-