USER GUIDE

FOR STREAMLIT-BASED

CARDEKHO PRICE

PREDICTION APPLICATION

This guide explains how to interact with the CarDekho Price Prediction application, built using Streamlit. The application allows users to input car details and predict the price based on various features, such as brand, model, fuel type, and more.

Steps to Use the Application:

1. Sell My Car Button (Center Bottom):

On the home screen, you will find the "Sell My Car" button. Double-click this button to access the car details input fields for price predictions.

2. Input Fields (Left Column):

In the first column, users will provide the following details about the car:

- **Brand:**
  Select the car brand from the available list of brands in the dataset.

- **Model:**
  After selecting the brand, the app will automatically filter and display the relevant car models. Choose the model from the dropdown list.

- **Model-Year:**
  Select the year the car was manufactured.

- **Fuel-Type:**
  Choose the fuel type of the car from the available options: Petrol, Diesel, LPG, CNG, or Electric.

- **Body-Type:**
  Select the body type of the car from options like Hatchback, SUV, Sedan, MUV, Coupe, etc.

- **Transmission:**
  Choose the transmission type: Manual or Automatic.

- **Number-of-Owners:**
  Select the number of previous owners the car has had (ranging from 0 to 5).

- **Kilometers-Driven:**
  Use the slider to enter how many kilometers the car has been driven (between 100 and 100,000 km).

- **Mileage:**

  Enter the car's mileage in km/l (range: 5–50 km/l).

- **Seats:**

  Select the number of seats in the car from the dropdown list.

- **Color:**

  Choose the car's color from the available options.

- **City:**

  Select the city where the car is located from the dropdown list.

- **Insurance-Validity:**

  Choose the insurance type for the car (e.g., Third Party, Comprehensive, Zero Depreciation, etc.).

3. Prediction Button (Right Column):

- **Submit-Button:**

  After filling in all the input fields, click the **Predict** button in the second column to generate the price prediction.

4. Output:

- **Prediction-Display:**

  The predicted price of the car will appear on the screen in the following format:

"The price of the [Brand] car is: [Price] lakhs."