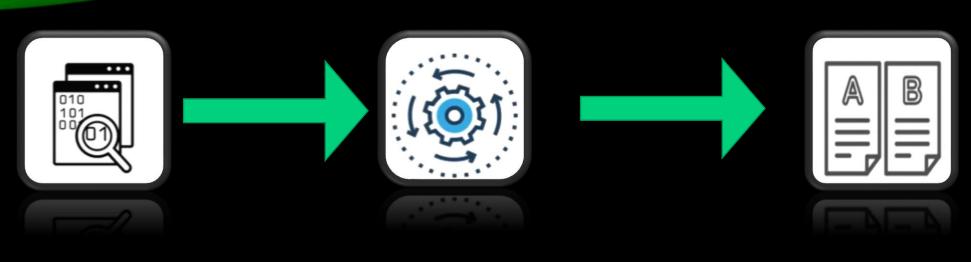
PROTOTYPE OF "PRICEASY"

DATASET FEATURES FOR VARIOUS ITEMS:

- ☐ Product Brand
- Manufacturing year (for second hand items)
- □ Physical condition (scratches, torning etc)
- ☐ Material of the product
- ☐ Since how much time item is being used

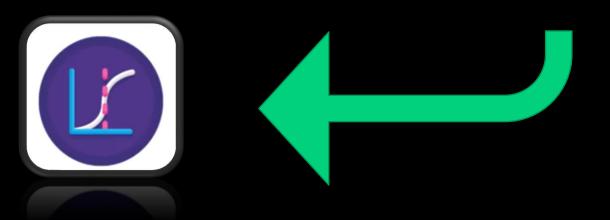
BASIC WORKFLOW:



Data Model

Data Pre-processing

Train Test Split



Linear & Lasso Regression Model



New Data

Trained Linear & Lasso Regression Model

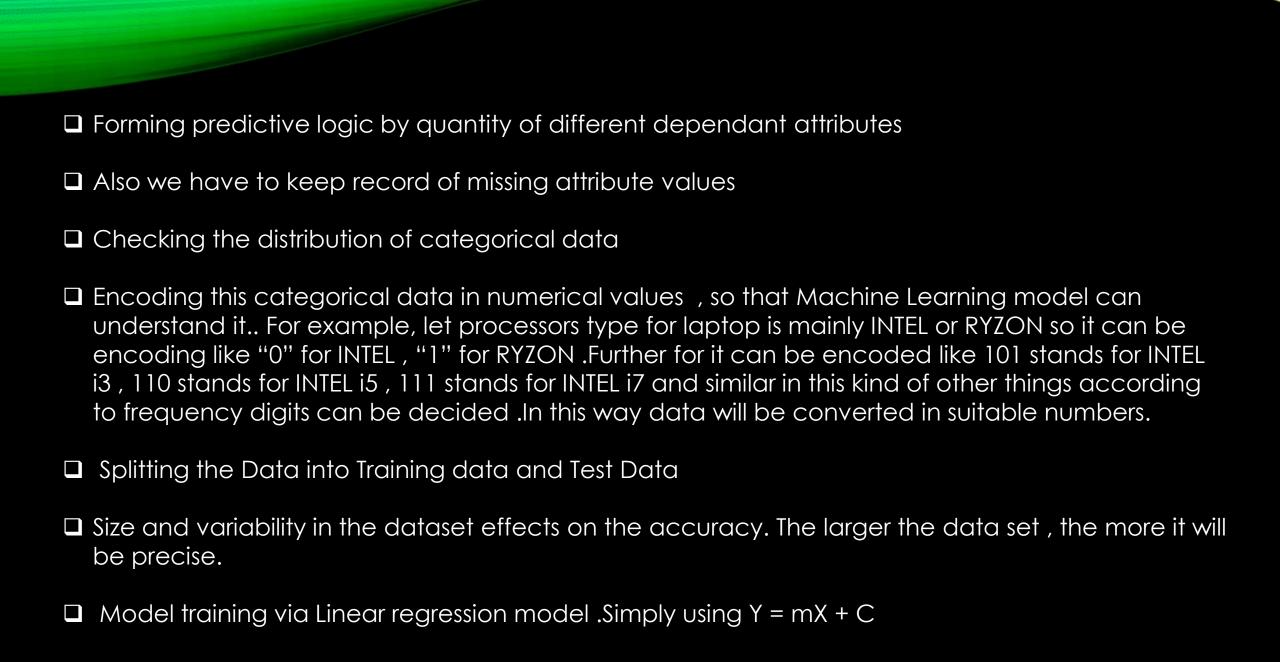
Prediction

ROADMAP OF IMPLEMENTATION:

Getting ready made Data model containing standard key features and price in iterative phase
□ Coding part with Jupyter's notebook with Python language
lacktriangle Getting basic working idea and familiarity with libraries such as Pandas , Matplotlib , Seaborn
□ Importing Linear Regression model
□ Importing Lasso regression model from sklearn
□ Importing metrics module
 Data collection and processing

☐ Inspecting data row wise simultaneously

☐ Loading .csv file to panda data frame



Prediction on Training data
Then evaluating R square error defined as difference between the predicted value and original value. It depends on each on the magnitude of the value that we are using.
Visualization of the actual prices and predicted prices by plotting their values on graph.
I Then the same way prediction on Testing data as well as R squared value and visualization.
Then all these will be done with Lasso Regression
By following this steps this project can be implemented at very initial level and then it can be expanded.

DEMO INTERFACE:

PRICEASY - THE PRICE CONSULTANT

Enter Specifications for car

Manufacturing Year:			
2024			
Current Market Price:			
7			
Kilometers Driven:			
8876			
Fuel Type:			
Petrol			
O Deisel			
○ CNG			
Transmission Type:			
Automatic			
O Manual			

DISPLAY PRICE

Here, is the price based on your entries.

4.33144922

Validation in year:

PRICEASY - THE PRICE CONSULTANT

Enter Specifications for car

Manufacturing Year:		
2025		
Current Market Price:		
7		
Kilometers Driven:		
8876		
Fuel Type:		
Petrol		
O Deisel		
○ CNG		
Transmission Type:		
Automatic		
O Manual		
	DISPLAY PRICE	

Here, is the price based on your entries.

ENTER year in between range:

Validation in KMS DRIVEN:

PRICEASY - THE PRICE CONSULTANT

Enter Specifications for car

2021		
Current Market Price:		
7		
Kilometers Driven:		
88765466		
Fuel Type:		
Petrol		
Deisel		
CNG		
Transmission Type:		
Automatic		
Manual		
	DISDLAY DOICE	
	DISPLAY PRICE	

Here, is the price based on your entries.

This is overdriven car, don't go for it.