## Flask Deployment

Name: Tolga Yaz

Batch Code: LISUM04

Submission Date: 18.10.2021

Submitted to: Canvas

```
import pandas as pd
import pickle
from sklearn.model_selection import train_test_split
from sklearn.linear_model import LinearRegression
simpleHyundaiPrice = pd.read_csv("simpleHyundaiPrice.csv")

X = simpleHyundaiPrice[["year", "km_driven"]]
y = simpleHyundaiPrice [["selling_price"]]

X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.1, random_state = 0)

lrm = LinearRegression()
lrm.fit(X_train, y_train)
with open("pickleLrPredictionModel.pkl", "wb") as f:
pickle.dump(lrm, f)

# try the model
with open("pickleLrPredictionModel.pkl", "rb") as f:
lrModel = pickle.load(f)
print(lrModel.predict(X_test))
```

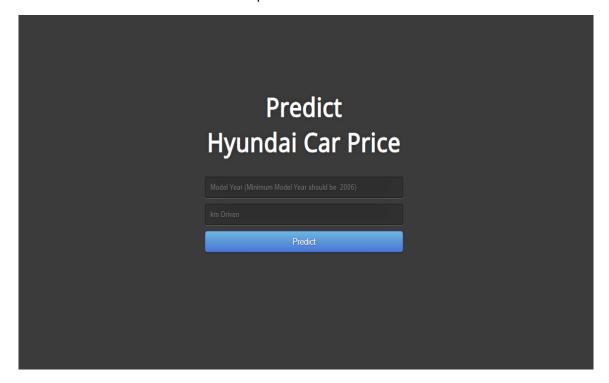
Prediction Model

```
year, selling price, km driven
2012,6000.0,100000
2012,6000.0,100000
2016,6900.0,80000
2008,1200.0,90000
2013,5500.0,29000
2015,5000.0,25000
2018,9000.0,24000
2018,9000.0,25000
2017,3300.0,80577
2011,3000.0,127500
2008,1950.0,90000
2013,4849.99,65000
2017,11000.0,10000
2015,7600.0,55340
2015,7600.0,55340
2015,7600.0,55340
2015,7600.0,55340
2015,7600.0,55340
```

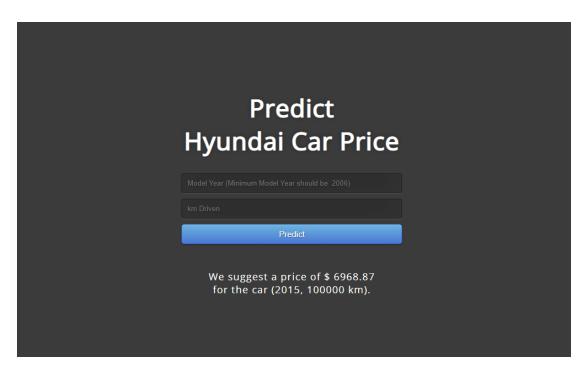
A Snapshot from Data File (.csv)

A Snapshot from Deployment Code

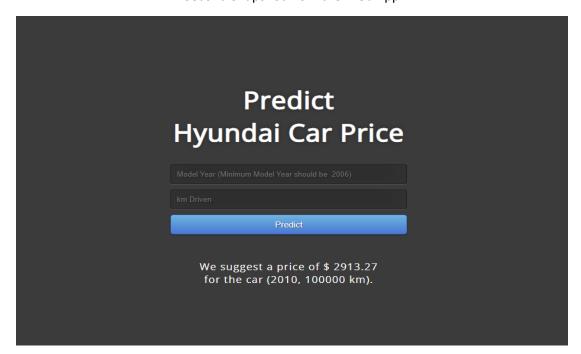
A Snapshot from html Code



First Snapshot from the Web App



Second Snapshot from the Web App



Third Snapshot from the Web App