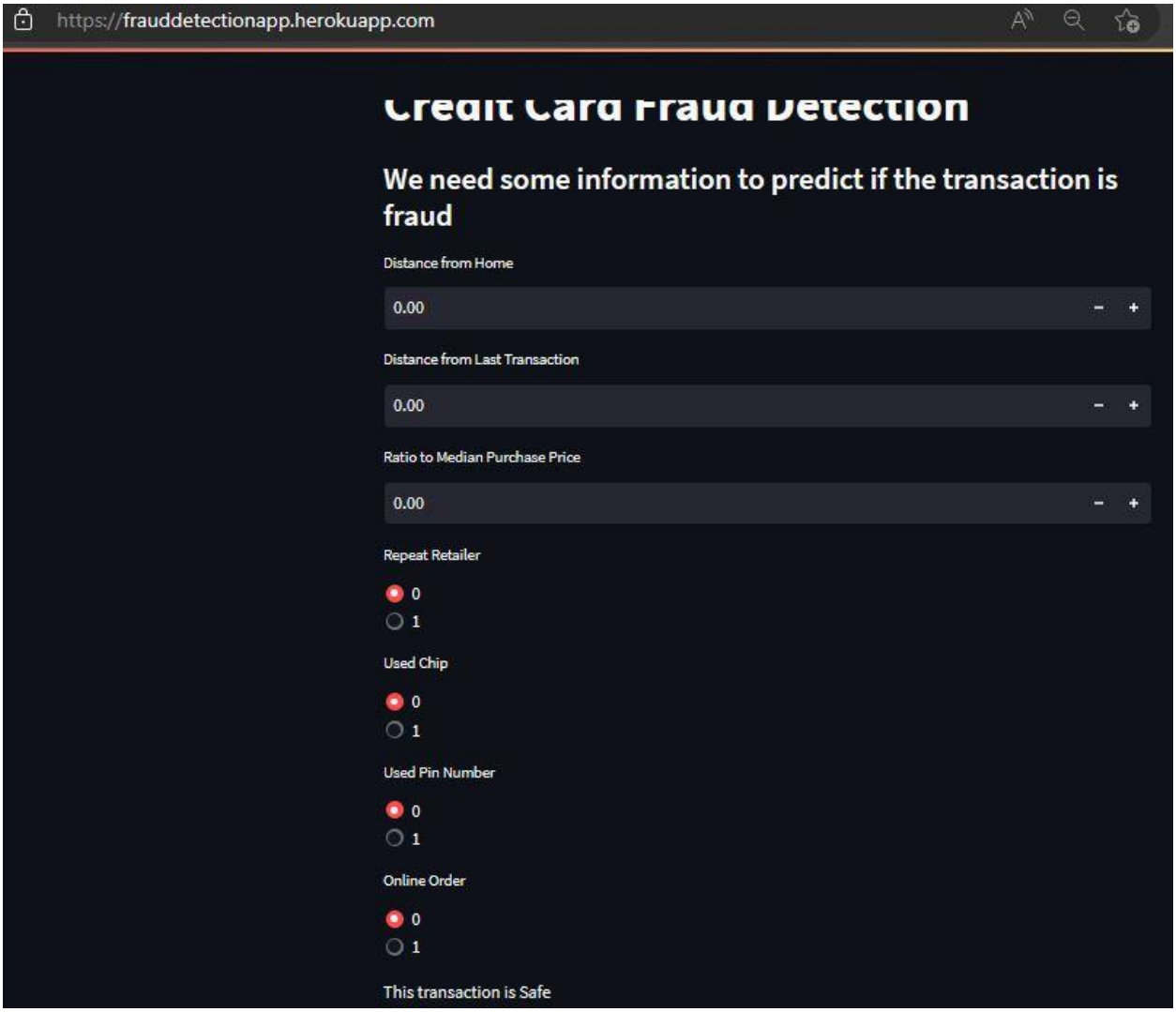
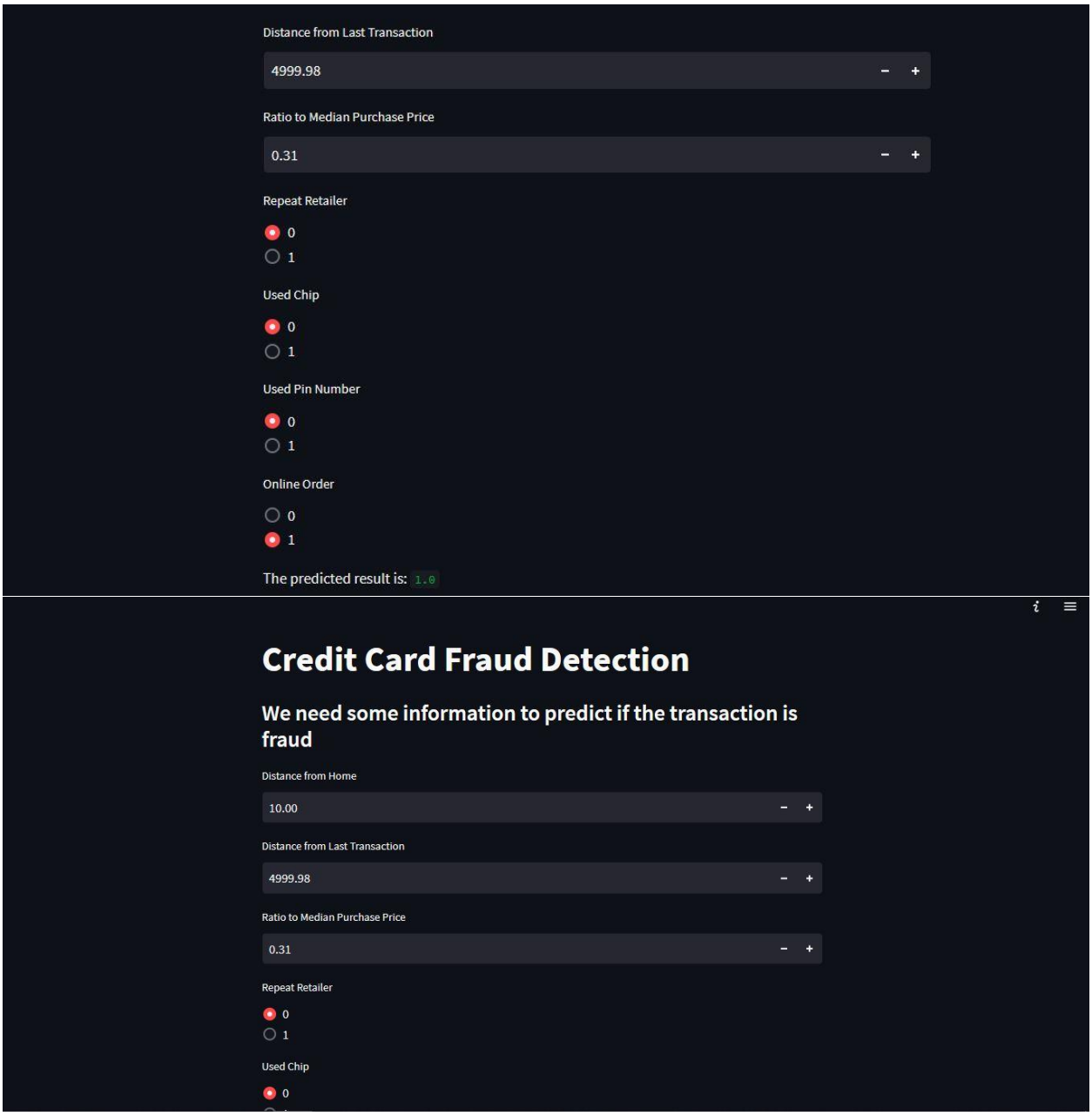
Report

Name: Credit Card Fraud Detection App
Report date: 10/3/2023
Internship Batch: LISUM18
Version:<1.0>
Data intake by: Abdelrahman Atef


https://frauddetectionapp.herokuapp.com
Credit Card Fraud Detection
We need some information to predict if the transaction is fraud
Distance from Home
0.00
Distance from Last Transaction
0.00
Ratio to Median Purchase Price
0.00
Repeat Retailer
0
1
Used Chip
0
1
Used Pin Number
0
1
Online Order
0
1
This transaction is Safe


Distance from Last Transaction
4999.98
Ratio to Median Purchase Price
0.31
Repeat Retailer
0
1
Used Chip
0
1
Used Pin Number
0
1
Online Order
0
1
The predicted result is: 1.0
Credit Card Fraud Detection
We need some information to predict if the transaction is fraud
Distance from Home
10.00
Distance from Last Transaction
4999.98
Ratio to Median Purchase Price
0.31
Repeat Retailer
0
1
Used Chip
0

app.py predict.py model.ipynb

predict.py > show_predict_page

```python
import streamlit as st
import pickle
import numpy as np
import pandas as pd


def load_model():
    model = pickle.load(open("model.pkl", "rb"))

    return model

model = load_model()

def show_predict_page():
    st.title("Credit Card Fraud Detection")
    st.write("""### We need some information to predict if the transaction is fraud""")

    # Create input fields for the numerical columns
    distance_from_home = st.number_input('Distance from Home')
    distance_from_last_transaction = st.number_input('Distance from Last Transaction')
    ratio_to_median_purchase_price = st.number_input('Ratio to Median Purchase Price')
    repeat_retailer = st.radio('Repeat Retailer', [0, 1])
    used_chip = st.radio('Used Chip', [0, 1])
    used_pin_number = st.radio('Used Pin Number', [0, 1])
    online_order = st.radio('Online Order', [0, 1])

    # Create a dictionary from the input values
    input_dict = {
        'distance_from_home': distance_from_home,
        'distance_from_last_transaction': distance_from_last_transaction
```

EXPLORER

OPEN EDITORS

- app.py
- predict.py
- model.ipynb

CCFD

- __pycache__
- .ipynb_checkpoints
- app.py
- card_transdata.csv
- model.ipynb
- model.pkl
- predict.py
- Procfile
- requirements.txt
- setup.sh

app.py predict.py model.ipynb

app.py

```python
import streamlit as st
from predict import show_predict_page


show_predict_page()
```