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# frontend
import streamlit as st
import pickle

import re
import nltk
from nltk.corpus import stopwords # for stopwords
from nltk.stem.porter import PorterStemmer # for stem the words

model=pickle.load(open(r"C:\Users\sunil\Desktop\DK\vs code\sentiment prediction by text\model.pkl",
tfidf=pickle.load(open(r"C:\Users\sunil\Desktop\DK\vs code\sentiment prediction by text\tfidf.pkl",

st.title("FeedBack Analysis App")

st.write("""
### About the App
This **Feedback Analysis App** uses Natural Language Processing (NLP) to analyze customer reviews a
""")

inputText=st.text_area("Enter your review Here")

corpus=[]

# take to proper format
for i in inputText:
    review = re.sub('[^a-zA-Z]', ' ', inputText)
    review = review.lower()
    review = review.split()
    ps=PorterStemmer()
    review = ' '.join(review)
    corpus.append(review)

# Transform the text using the tfidf
review_vector = tfidf.transform([review]) # Transform to the tfidf format

if st.button("Click Here"):
    predict=model.predict(review_vector)
    if predict==1:
        st.success(f"Your feed back is positive review. ")
    else:
        st.success("Your feed back in negative.")

```