import streamlit as st

import pickle

import pandas as pd

def recommend(movie\_name):

index = movie[movie['title'] == movie\_name].index[0]

distance = similarity[index]

movies\_list = sorted(list(enumerate(similarity[index])), reverse=True, key=lambda x: x[1])

recommended\_movies = []

for i in movies\_list[1:6]: # start from 1 to exclude the selected movie itself

recommended\_movies.append(movie.iloc[i[0]].title)

return recommended\_movies

similarity = pickle.load(open("similarity", "rb"))

movies\_dict = pickle.load(open("movies\_dict.pkl", "rb"))

st.title("Movie Recommender System")

movie = pd.DataFrame(movies\_dict)

selected\_movie\_name = st.selectbox(

'Choose a movie:',

movie["title"].values

)

if st.button("Recommend"):

recommendation = recommend(selected\_movie\_name)

for i in recommendation:

st.write(i)