

```
1 import streamlit as st
2 import pickle
3 import pandas as pd
4 import requests
5 def fetch_poster(movie_id):
6     response = requests.get('https://api.themoviedb.
    org/3/movie/{}?api_key=
    8265bd1679663a7ea12ac168da84d2e8&language=en-US'.
    format(movie_id))
7     data = response.json()
8     return "https://image.tmdb.org/t/p/w500/" + data[
    'poster_path']
9
10
11 def recommend(movie):
12     movie_index = movies[movies['title'] == movie].
    index[0]
13     distances = similarity[movie_index]
14     movies_list = sorted(list(enumerate(distances)),
    reverse=True, key=lambda x: x[1])[1:6]
15
16     recommended_movies = []
17     recommended_movies_posters = []
18     for i in movies_list:
19         movie_id =movies.iloc[i[0]].movie_id
20
21         recommended_movies.append(movies.iloc[i[0]].
    title)
22         # fetch poster from API
23         recommended_movies_posters.append(
    fetch_poster(movie_id))
24     return recommended_movies,
    recommended_movies_posters
25
26 movies_dict = pickle.load(open('movies_dict.pkl','rb'
    ))
27 movies = pd.DataFrame(movies_dict)
28
29 similarity = pickle.load(open('similarity.pkl','rb'))
30
31 st.title('Movie-recommender-system-')
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32
33 selected_movie_name = st.selectbox(
34 'How would you like to be contracted?',
35 movies['title'].values)
36
37 if st.button('Recommend'):
38     names,posters = recommend(selected_movie_name)
39
40     col1, col2, col3, col4, col5= st.columns(5)
41     with col1:
42         st.text(names[0])
43         st.image(posters[0])
44     with col2:
45         st.text(names[1])
46         st.image(posters[1])
47     with col3:
48         st.text(names[2])
49         st.image(posters[2])
50     with col4:
51         st.text(names[3])
52         st.image(posters[3])
53     with col5:
54         st.text(names[4])
55         st.image(posters[4])
56
57
58
59
60
61
62
```