

MyMovieBase Python Web Application with Flask

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Required Packages:

from flask import Flask, render_template, request, redirect, url_for, session

import re

import sqlite3 as sql

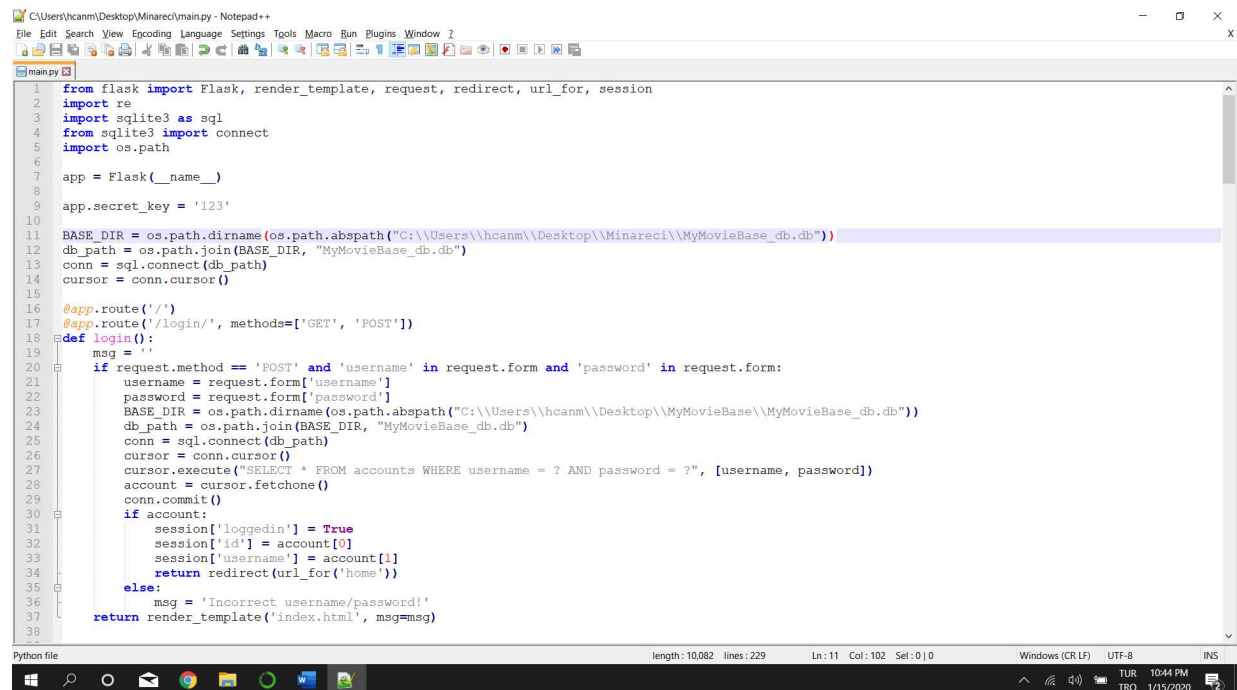
from sqlite3 import connect

import os.path

1st Step:

Path should be changed to new path of the folder in line 11.

`BASE_DIR = os.path.dirname(os.path.abspath("New_Path\\MyMovieBase\\MyMovieBase_db.db"))`



```
1 from flask import Flask, render_template, request, redirect, url_for, session
2 import re
3 import sqlite3 as sql
4 from sqlite3 import connect
5 import os.path
6
7 app = Flask(__name__)
8 app.secret_key = '123'
9
10 BASE_DIR = os.path.dirname(os.path.abspath("C:\\Users\\hcanm\\Desktop\\Minareci\\MyMovieBase_db.db"))
11 db_path = os.path.join(BASE_DIR, "MyMovieBase_db.db")
12 conn = sql.connect(db_path)
13 cursor = conn.cursor()
14
15 @app.route('/')
16 @app.route('/login/', methods=['GET', 'POST'])
17 def login():
18     msg = ''
19     if request.method == 'POST' and 'username' in request.form and 'password' in request.form:
20         username = request.form['username']
21         password = request.form['password']
22         BASE_DIR = os.path.dirname(os.path.abspath("C:\\Users\\hcanm\\Desktop\\MyMovieBase\\MyMovieBase_db.db"))
23         db_path = os.path.join(BASE_DIR, "MyMovieBase_db.db")
24         conn = sql.connect(db_path)
25         cursor = conn.cursor()
26         cursor.execute("SELECT * FROM accounts WHERE username = ? AND password = ?", [username, password])
27         account = cursor.fetchone()
28         conn.commit()
29         if account:
30             session['loggedin'] = True
31             session['id'] = account[0]
32             session['username'] = account[1]
33             return redirect(url_for('home'))
34         else:
35             msg = 'Incorrect username/password!'
36     return render_template('index.html', msg=msg)
```

2nd Step:

It should work with opening main.py if it will not work, can start manually via command prompt.

Cd C:\...\MyMovieBase

set FLASK_APP=main.py

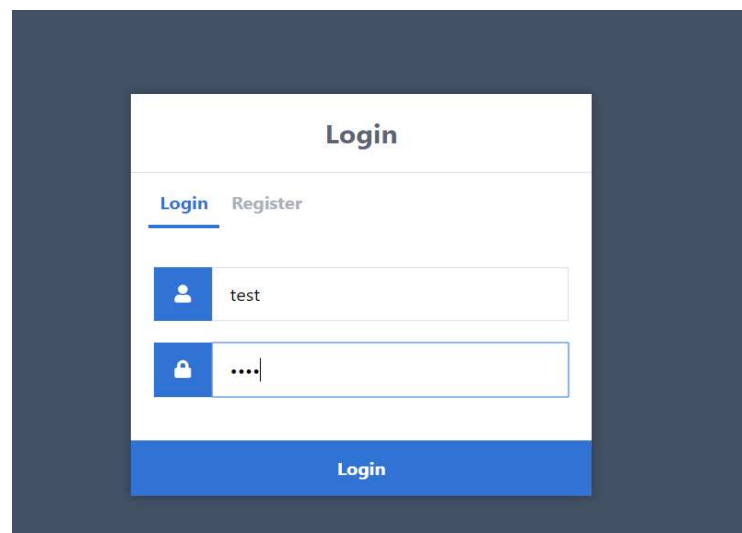
set FLASK_DEBUG=1

flask run

```
Anaconda Prompt (Anaconda3) - flask run

(base) C:\Users\hcanm>cd C:\Users\hcanm\Desktop\Minareci
(base) C:\Users\hcanm\Desktop\Minareci>set FLASK_APP=main.py
(base) C:\Users\hcanm\Desktop\Minareci>set FLASK_DEBUG=1
(base) C:\Users\hcanm\Desktop\Minareci>flask run
* Serving Flask app "main.py" (lazy loading)
* Environment: production
  WARNING: This is a development server. Do not use it in a production deployment.
  Use a production WSGI server instead.
* Debug mode: on
* Restarting with stat
* Debugger is active!
* Debugger PIN: 273-775-992
* Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
```

Login Page:

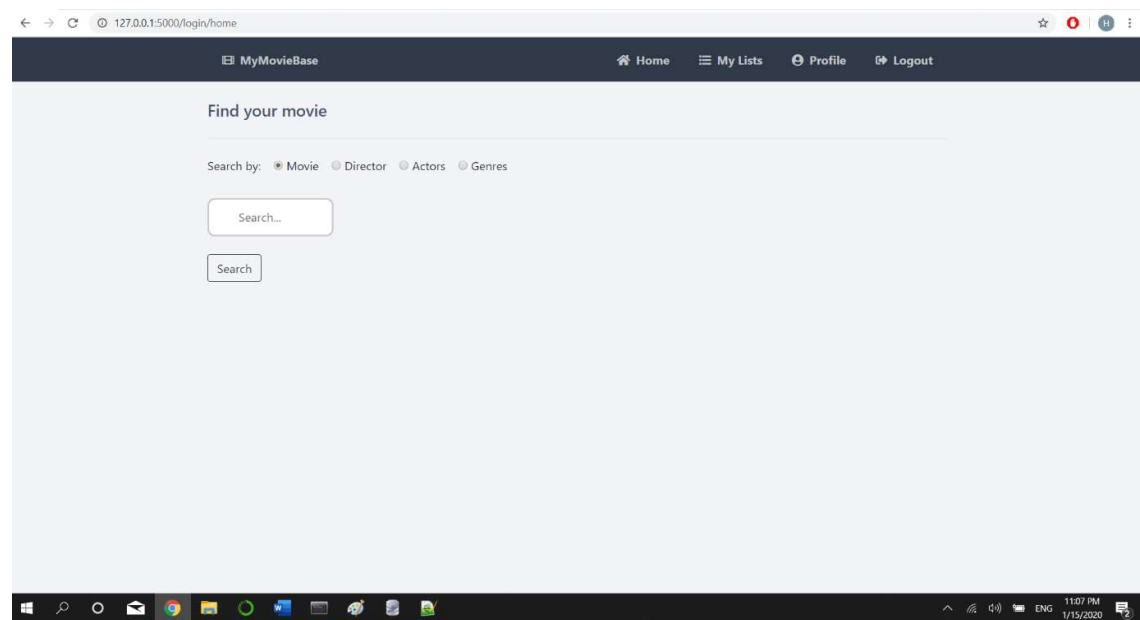


For using the application we need to have an account.

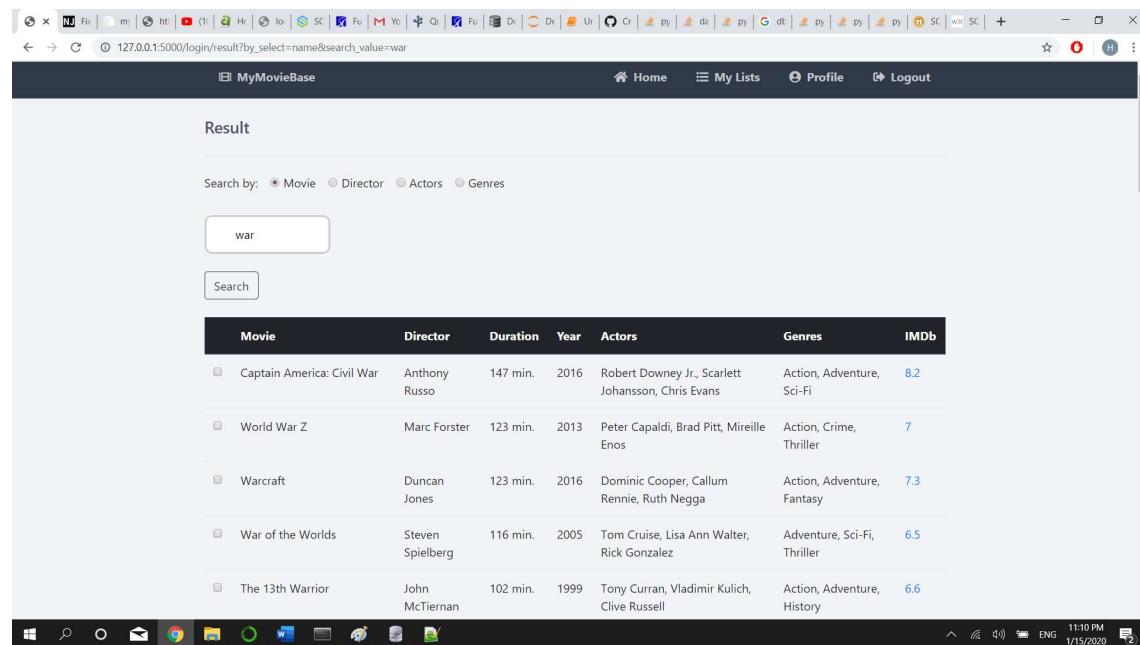
Possible to create new one via clicking the Register or test account can be used.

username: test

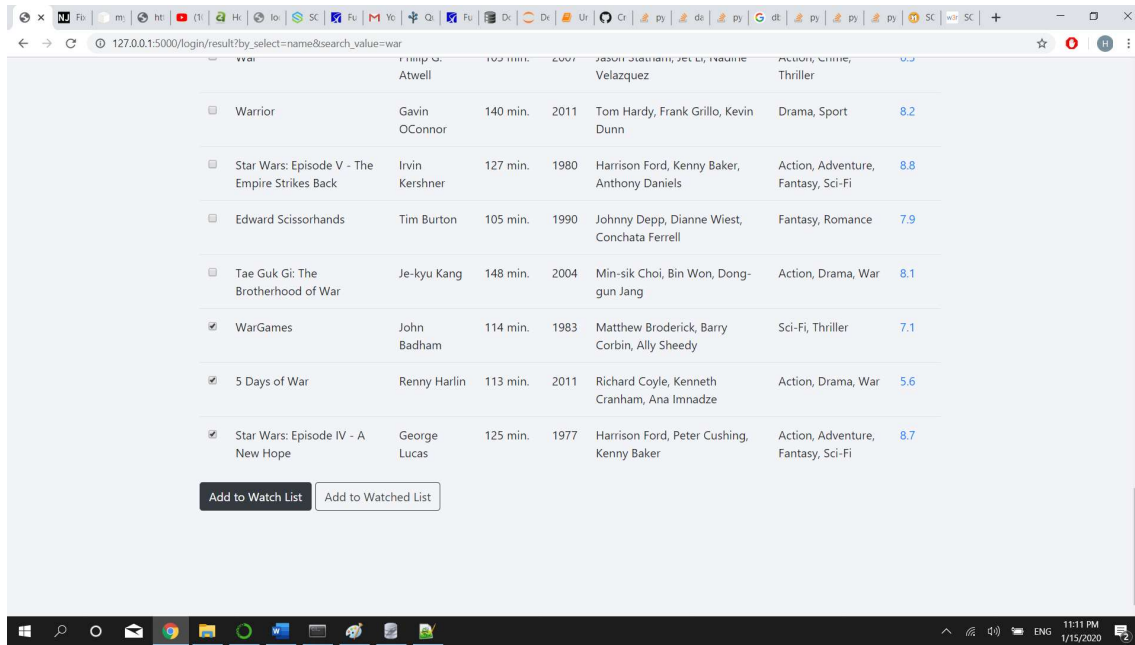
password: test



Possible to search by Movie Name Director's name Actor's name and genre after choosing from "Search by:" section.



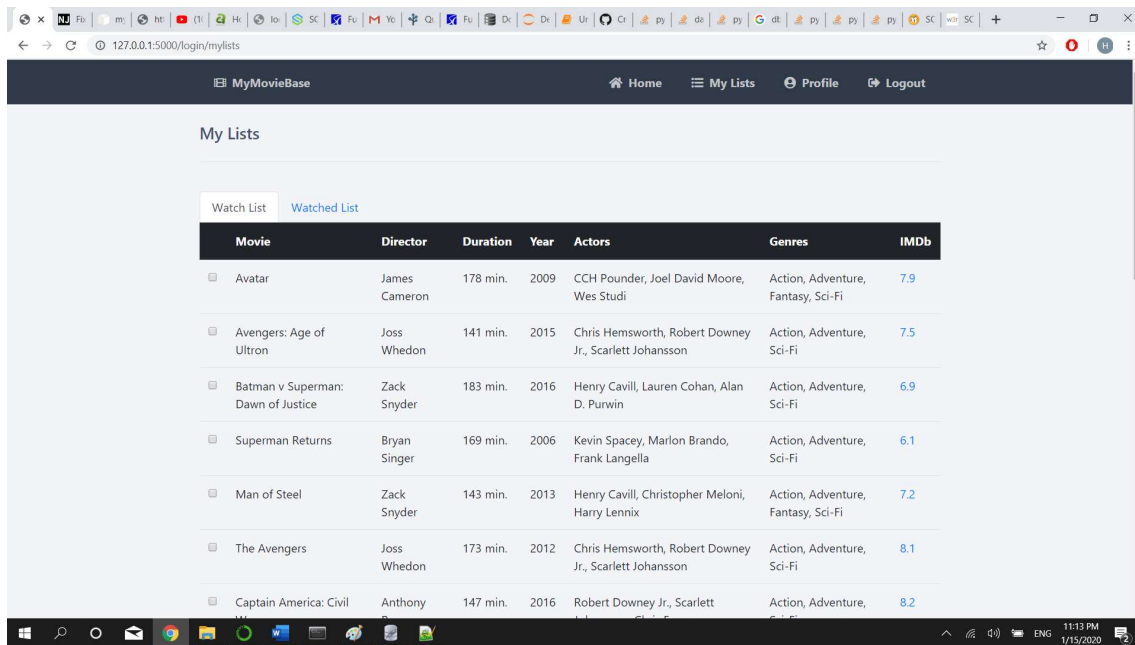
In the Result section it is possible to choose the movies you already watched and adding to the watched lists or the movies which you want to watch to the watch list at the bottom of the result.



| Movie | Director | Duration | Year | Actors | Genres | IMDb |
|--|----------------|----------|------|--|------------------------------------|------|
| Warrior | Gavin O'Connor | 140 min. | 2011 | Tom Hardy, Frank Grillo, Kevin Dunn | Drama, Sport | 8.2 |
| Star Wars: Episode V - The Empire Strikes Back | Irvin Kershner | 127 min. | 1980 | Harrison Ford, Kenny Baker, Anthony Daniels | Action, Adventure, Fantasy, Sci-Fi | 8.8 |
| Edward Scissorhands | Tim Burton | 105 min. | 1990 | Johnny Depp, Dianne Wiest, Conchata Ferrell | Fantasy, Romance | 7.9 |
| Tae Guk Gi: The Brotherhood of War | Je-kyu Kang | 148 min. | 2004 | Min-sik Choi, Bin Won, Dong-gun Jang | Action, Drama, War | 8.1 |
| WarGames | John Badham | 114 min. | 1983 | Matthew Broderick, Barry Corbin, Ally Sheedy | Sci-Fi, Thriller | 7.1 |
| 5 Days of War | Renny Harlin | 113 min. | 2011 | Richard Coyle, Kenneth Cranham, Ana Imnadze | Action, Drama, War | 5.6 |
| Star Wars: Episode IV - A New Hope | George Lucas | 125 min. | 1977 | Harrison Ford, Peter Cushing, Kenny Baker | Action, Adventure, Fantasy, Sci-Fi | 8.7 |

Add to Watch List Add to Watched List

In my list section you can look to your lists, move to the watched list from watch list after you watched the movie or remove from your the list.



| Movie | Director | Duration | Year | Actors | Genres | IMDb |
|------------------------------------|---------------|----------|------|--|------------------------------------|------|
| Avatar | James Cameron | 178 min. | 2009 | CCH Pounder, Joel David Moore, Wes Studi | Action, Adventure, Fantasy, Sci-Fi | 7.9 |
| Avengers: Age of Ultron | Joss Whedon | 141 min. | 2015 | Chris Hemsworth, Robert Downey Jr., Scarlett Johansson | Action, Adventure, Sci-Fi | 7.5 |
| Batman v Superman: Dawn of Justice | Zack Snyder | 183 min. | 2016 | Henry Cavill, Lauren Cohan, Alan D. Purwin | Action, Adventure, Sci-Fi | 6.9 |
| Superman Returns | Bryan Singer | 169 min. | 2006 | Kevin Spacey, Marlon Brando, Frank Langella | Action, Adventure, Sci-Fi | 6.1 |
| Man of Steel | Zack Snyder | 143 min. | 2013 | Henry Cavill, Christopher Meloni, Harry Lennix | Action, Adventure, Fantasy, Sci-Fi | 7.2 |
| The Avengers | Joss Whedon | 173 min. | 2012 | Chris Hemsworth, Robert Downey Jr., Scarlett Johansson | Action, Adventure, Sci-Fi | 8.1 |
| Captain America: Civil War | Anthony Russo | 147 min. | 2016 | Robert Downey Jr., Scarlett Johansson | Action, Adventure, Sci-Fi | 8.2 |

Add to Watch List Add to Watched List

In profile section you can see your username, password, email and also the numbers of movies you have on your lists.

