App.py:  
  
from flask import Flask, render\_template, request, redirect, url\_for, session, flash

from flask\_session import Session

from werkzeug.security import generate\_password\_hash, check\_password\_hash

import json

import re

import time

import os

app = Flask(\_\_name\_\_)

app.config['SESSION\_TYPE'] = 'filesystem'

app.config['SECRET\_KEY'] = 'your\_secret\_key'

Session(app)

DATA\_FILE = 'data.json'

def load\_data():

if os.path.exists(DATA\_FILE):

with open(DATA\_FILE, 'r') as f:

return json.load(f)

return {'users': [], 'email\_timers': {}}

def save\_data(data):

with open(DATA\_FILE, 'w') as f:

json.dump(data, f)

data = load\_data()

users = data['users']

email\_timers = data['email\_timers']

def email\_exists(email\_timers, email):

return any(timer['email'] == email for timer in email\_timers)

def get\_user\_by\_email(email):

for user in users:

if user['email'] == email:

return user

return None

@app.route('/signup', methods=['GET', 'POST'])

def signup():

if request.method == 'POST':

email = request.form['email']

password = request.form['password']

if get\_user\_by\_email(email) is not None:

flash('Email already exists..Please log in or use another email..', 'error')

return redirect(url\_for('signup'))

hashed\_password = generate\_password\_hash(password)

new\_user = {'email': email, 'password': hashed\_password}

users.append(new\_user)

data['users'] = users

save\_data(data)

flash('Account created successfully..Please log in..', 'success')

return redirect(url\_for('login'))

return render\_template('signup.html')

@app.route('/login', methods=['GET', 'POST'])

def login():

if request.method == 'POST':

email = request.form['email']

password = request.form['password']

user = get\_user\_by\_email(email)

if user is None or not check\_password\_hash(user['password'], password):

flash('Invalid email or password..Please try again..', 'error')

return redirect(url\_for('login'))

session['user\_email'] = email

flash('Logged in successfully..', 'success')

return redirect(url\_for('index'))

return render\_template('login.html')

@app.route('/logout')

def logout():

session.pop('user\_email', None)

flash('Logged out successfully..', 'success')

return redirect(url\_for('login'))

@app.route('/', methods=['GET', 'POST'])

def index():

if 'user\_email' not in session:

return redirect(url\_for('login'))

user\_email = session['user\_email']

user\_email\_timers = email\_timers.get(user\_email, [])

if request.method == 'POST':

email\_input = request.form['email']

emails = re.split(r'[,; \s]\s\*', email\_input.strip())

for email in emails:

if not email\_exists(user\_email\_timers, email):

user\_email\_timers.append({'email': email, 'status': 'Ready', 'end\_time': 0})

email\_timers[user\_email] = user\_email\_timers

data['email\_timers'] = email\_timers

save\_data(data)

return render\_template('index.html', email\_timers=user\_email\_timers)

@app.route('/start\_timer/<int:email\_timer\_index>')

def start\_timer(email\_timer\_index):

if 'user\_email' not in session:

return redirect(url\_for('login'))

user\_email = session['user\_email']

user\_email\_timers = email\_timers[user\_email]

email\_timer = user\_email\_timers[email\_timer\_index]

email\_timer['status'] = 'InUse'

email\_timer['end\_time'] = int(time.time()) + 11700

email\_timers[user\_email] = user\_email\_timers

data['email\_timers'] = email\_timers

save\_data(data)

return redirect(url\_for('index'))

@app.route('/delete\_timer/<int:email\_timer\_index>')

def delete\_timer(email\_timer\_index):

if 'user\_email' not in session:

return redirect(url\_for('login'))

user\_email = session['user\_email']

user\_email\_timers = email\_timers[user\_email]

del user\_email\_timers[email\_timer\_index]

email\_timers[user\_email] = user\_email\_timers

data['email\_timers'] = email\_timers

save\_data(data)

return redirect(url\_for('index'))

if \_\_name\_\_ == '\_\_main\_\_':

app.run(debug=True)

# index.html:

# <!DOCTYPE html>

# <html>

# <head>

# <title>Email Timer</title>

# <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">

# <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>

# <script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.16.0/umd/popper.min.js"></script>

# <script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>

# <script>

# function formatTime(seconds) {

# let hours = Math.floor(seconds / 3600);

# let minutes = Math.floor((seconds % 3600) / 60);

# let remainingSeconds = seconds % 60;

# return `${hours.toString().padStart(2, '0')}:${minutes.toString().padStart(2, '0')}:${remainingSeconds.toString().padStart(2, '0')}`;

# }

# $(document).ready(function() {

# setInterval(function() {

# $('.timer').each(function() {

# let endTime = parseInt($(this).data('end-time'));

# let currentTime = Math.floor(Date.now() / 1000);

# let timeLeft = endTime - currentTime;

# if (timeLeft > 0) {

# $(this).text(formatTime(timeLeft));

# } else {

# $(this).text('00:00:00');

# }

# });

# }, 1000);

# });

# </script>

# </head>

# <body>

# <div class="container">

# {% with messages = get\_flashed\_messages(with\_categories=true) %}

# {% if messages %}

# {% for category, message in messages %}

# <div class="alert alert-{{ category }}">{{ message }}</div>

# {% endfor %}

# {% endif %}

# {% endwith %}

# <a href="{{ url\_for('logout') }}" class="btn btn-secondary">Logout</a>

# <form method="POST" action="{{ url\_for('index') }}">

# <div class="form-group">

# <label for="email">Enter email addresses (separated by commas, semicolons, or spaces):</label>

# <textarea class="form-control" name="email" rows="3" required></textarea>

# </div>

# <button type="submit" class="btn btn-primary">Add Email</button>

# </form>

# <table class="table">

# <thead>

# <tr>

# <th>Email</th>

# <th>Status</th>

# <th>Time Left</th>

# <th>Actions</th>

# </tr>

# </thead>

# <tbody>

# {% for email\_timer in email\_timers %}

# <tr>

# <td>{{ email\_timer.email }}</td>

# <td>{{ email\_timer.status }}</td>

# <td class="timer" data-end-time="{{ email\_timer.end\_time }}"></td>

# <td>

# {% if email\_timer.status == 'Ready' %}

# <a href="{{ url\_for('start\_timer', email\_timer\_index=loop.index0) }}" class="btn btn-success">Start</a>

# {% endif %}

# <a href="{{ url\_for('delete\_timer', email\_timer\_index=loop.index0) }}" class="btn btn-danger">Delete</a>

# </td>

# </tr>

# {% endfor %}

# </tbody>

# </table>

# </div>

# </body>

# </html>signup.html:

<!DOCTYPE html>

<html>

<head>

<title>Sign Up</title>

<style>

body {

font-family: Arial, sans-serif;

margin: 0;

padding: 0;

}

.container {

max-width: 800px;

margin: 0 auto;

padding: 20px;

}

.message {

padding: 10px;

margin-bottom: 20px;

border: 1px solid;

border-radius: 3px;

}

.success {

background-color: #d4edda;

border-color: #c3e6cb;

color: #155724;

}

.error {

background-color: #f8d7da;

border-color: #f5c6cb;

color: #721c24;

}

form {

margin-bottom: 20px;

}

label {

display: block;

margin-bottom: 5px;

}

input[type="email"], input[type="password"] {

width: 100%;

padding: 10px;

margin-bottom: 10px;

box-sizing: border-box;

}

button {

background-color: #007bff;

color: #fff;

padding: 10px 20px;

border: none;

cursor: pointer;

}

button:hover {

background-color: #0056b3;

}

a {

text-decoration: none;

color: #007bff;

}

a:hover {

text-decoration: underline;

}

</style>

</head>

<body>

<div class="container">

{% with messages = get\_flashed\_messages(with\_categories=true) %}

{% if messages %}

{% for category, message in messages %}

<div class="message {{ category }}">{{ message }}</div>

{% endfor %}

{% endif %}

{% endwith %}

<form method="POST" action="{{ url\_for('signup') }}">

<label for="email">Email:</label>

<input type="email" name="email" required>

<label for="password">Password:</label>

<input type="password" name="password" required>

<button type="submit">Sign Up</button>

</form>

<p>Already have an account? <a href="{{ url\_for('login') }}">Log in</a></p>

</div>

</body>

</html>

# login.html:

<!DOCTYPE html>

<html>

<head>

<title>Login</title>

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">

</head>

<body>

<div class="container">

{% with messages = get\_flashed\_messages(with\_categories=true) %}

{% if messages %}

{% for category, message in messages %}

<div class="alert alert-{{ category }}">{{ message }}</div>

{% endfor %}

{% endif %}

{% endwith %}

<h1>Login</h1>

<form method="POST" action="{{ url\_for('login') }}">

<div class="form-group">

<label for="email">Email:</label>

<input type="email" class="form-control" name="email" required>

</div>

<div class="form-group">

<label for="password">Password:</label>

<input type="password" class="form-control" name="password" required>

</div>

<button type="submit" class="btn btn-primary">Login</button>

</form>

<p>Don't have an account? <a href="{{ url\_for('signup') }}">Sign up</a></p>

</div>

</body>

</html>