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from flask import Flask, render_template, request, redirect, url_for, session
from flask_mysqldb import MySQL
import MySQLdb.cursors
import re
app = Flask(__name__)
app.secret_key = 'your secret key'
app.config['MYSQL_HOST'] = 'localhost'
app.config['MYSQL_USER'] = 'root'
app.config['MYSQL_PASSWORD'] = 'your password'
app.config['MYSQL_DB'] = 'geeklogin'
mysql = MySQL(app)
@app.route('/')
@app.route('/login', methods =['GET', 'POST'])
def login():
  msg = "
  if request.method == 'POST' and 'username' in request.form and 'password' in
request.form:
    username = request.form['username']
    password = request.form['password']
    cursor = mysql.connection.cursor(MySQLdb.cursors.DictCursor)
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cursor.execute('SELECT * FROM accounts WHERE username = % s AND password =
% s', (username, password, ))
    account = cursor.fetchone()
    if account:
       session['loggedin'] = True
       session['id'] = account['id']
       session['username'] = account['username']
       msg = 'Logged in successfully!'
       return render_template('index.html', msg = msg)
    else:
       msg = 'Incorrect username / password !'
  return render_template('login.html', msg = msg)
@app.route('/logout')
def logout():
  session.pop('loggedin', None)
  session.pop('id', None)
  session.pop('username', None)
  return redirect(url_for('login'))
@app.route('/register', methods =['GET', 'POST'])
def register():
  msg = "
  if request.method == 'POST' and 'username' in request.form and 'password' in
request.form and 'email' in request.form :
    username = request.form['username']
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password = request.form['password']
    email = request.form['email']
    cursor = mysql.connection.cursor(MySQLdb.cursors.DictCursor)
    cursor.execute('SELECT * FROM accounts WHERE username = % s', (username, ))
    account = cursor.fetchone()
    if account:
       msg = 'Account already exists!'
    elif not re.match(r'[^@]+@[^@]+\.[^@]+', email):
       msg = 'Invalid email address!'
    elif not re.match(r'[A-Za-z0-9]+', username):
       msg = 'Username must contain only characters and numbers !'
    elif not username or not password or not email:
       msg = 'Please fill out the form!'
    else:
       cursor.execute('INSERT INTO accounts VALUES (NULL, % s, % s, % s)',
(username, password, email, ))
       mysql.connection.commit()
       msg = 'You have successfully registered!'
  elif request.method == 'POST':
    msg = 'Please fill out the form!'
  return render_template('register.html', msg = msg)
```