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# -*- coding: utf-8 -*-
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Created on Mon Sep 26 19:55:45 2022
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@author: 91936
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# Store this code in 'app.py' file
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from flask import Flask, render_template, request, redirect, url_for, session
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from flask_mysql import MySQL
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import MySQLdb.cursors
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import re
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app = Flask(__name__)
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app.secret_key = 'your secret key'
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app.config['MYSQL_HOST'] = 'localhost'
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app.config['MYSQL_USER'] = 'root'
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app.config['MYSQL_PASSWORD'] = 'safreen@123'
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app.config['MYSQL_DB'] = 'geeklogin'
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mysql = MySQL(app)
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@app.route('/')

@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']

        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 !'

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        return render_template('register.html', msg = msg)

@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)

        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'))

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