ASSIGNMENT 2:

Create a flask app with registration page, login page and welcome page. By default load the registration page once the user enters all the fields store the data in database and navigate to login page authenticate user username and password. If the user is valid show the welcome page

REGISTRATION FORM:

```python
class register_form(FlaskForm):
    username = StringField(
        validators=[
            InputRequired(),
            Length(3, 20, message="Please provide a valid name"),
            Regexp(
                "^[A-Za-z][A-Za-z0-9_.]*$",
                0,
                "Usernames must have only letters, "
                "numbers, dots or underscores",
            ),
        ]
    )
    email = StringField(validators=[InputRequired(), Email(), Length(1, 64)])
    pwd = PasswordField(validators=[InputRequired(), Length(8, 72)])
    cpwd = PasswordField(
        validators=[
            InputRequired(),
            Length(8, 72),
            EqualTo("pwd", message="Passwords must match !"),
        ]

    )
```

LOGIN FORM:

```python
class login_form(FlaskForm):
    email = StringField(validators=[InputRequired(),
Email(), Length(1, 64)])
    pwd = PasswordField(validators=[InputRequired(),
Length(min=8, max=72)])
    # Placeholder labels to enable form rendering
    username = StringField(
        validators=[Optional()]

    )
```

AUTH.html:

```html
<form action="{{ request.path }}" method="POST" class="...">

{{ form.csrf_token }}

{% with messages =
get_flashed_messages(with_categories=true) %}
<!-- Categories: success (green), info (blue), warning
(yellow), danger (red) -->
{% if messages %}
{% for category, message in messages %}
<div class="alert alert-{{category}} alert-dismissible fade
show" role="alert">
{{ message }}
<button type="button" class="btn-close"
data-bs-dismiss="alert" aria-label="Close"></button>
</div>
{% endfor %}
{% endif %}
{% endwith %}

{% if request.path == '/register/' %}
{{
form.username(class_="form-control",placeholder="Username
")}}

{% for error in form.username.errors %}
```

```
            {{ error }}
        {% endfor%}

    {% endif%}

    {{
    form.email(class_="form-control",placeholder="Email")}}

        {% for error in form.email.errors %}
            {{ error }}
        {% endfor%}

    {{
    form.pwd(class_="form-control",placeholder="Password")}}

        {% for error in form.pwd.errors %}
            {{ error }}
        {% endfor%}

    {% if request.path == '/register/' %}
    {{ form.cpwd(class_="form-control",placeholder="Confirm
    Password")}}

        {% for error in form.cpwd.errors %}
            {{ error }}
        {% endfor%}

    {% endif%}

    <button type="submit" class="btn btn-block btn-primary
    mb-3">
    {{ btn_action }}
    </button>

    <p>
    {% if request.path != '/register/' %}
    New here?
    <a href="{{url_for('register')}}">Create account</a>
    {% else %}
    Already have an account?
    <a href="{{url_for('login')}}">Login</a>
```

```
{% endif %}

</p>
```