LMS

--------------------------------------------------------------------------------------------------------------------------------------

App.py

*from* flask *import* Flask ,render\_template, redirect, url\_for, request, flash

*from* flask\_sqlalchemy *import* SQLAlchemy

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

app.secret\_key = "djfljdfljfnkjsfhjfshjkfjfjfhjdhfdjhdfu"

userpass = "mysql+pymysql://root:@"

basedir = "127.0.0.1"

dbname = "/lms"

app.config["SQLALCHEMY\_DATABASE\_URI"] = userpass + basedir + dbname

app.config["SQLALCHEMY\_TRACK\_MODIFICATIONS"] = False

db = SQLAlchemy(app)

class Books(db.Model):

    id = db.Column(db.Integer, *primary\_key*=True, *autoincrement*=True)

    name = db.Column(db.String(100), *nullable*=False)

    author = db.Column(db.String(100), *nullable*=False)

    genre = db.Column(db.String(100), *nullable*=False)

    year = db.Column(db.Integer, *nullable*=False)

    def \_\_init\_\_(*self*, *name*, *author*, *genre*, *year*):

*self*.name = *name*

*self*.author = *author*

*self*.genre = *genre*

*self*.year = *year*

@app.route('/')

def index():

    data\_book = db.session.query(Books)

*return* render\_template('index.html', *data*=data\_book)

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

def input\_data():

*if* request.method == 'POST':

        name = request.form['name']

        author = request.form['author']

        genre = request.form['genre']

        year = request.form['year']

        add\_data = Books(name, author, genre, year)

        db.session.add(add\_data)

        db.session.commit()

        flash("Input Data Success")

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

*return* render\_template('input.html')

*# EDIT*

@app.route('/edit/<int:id>')

def edit\_data(*id*):

    data\_books = Books.query.get(*id*)

*return* render\_template('edit.html', *data*=data\_books)

@app.route('/proses\_edit', *methods*=['POST', 'GET'])

def proses\_edit():

    data\_books = Books.query.get(request.form.get('id'))

    data\_books.name = request.form['name']

    data\_books.author = request.form['author']

    data\_books.genre = request.form['genre']

    data\_books.year = request.form['year']

    db.session.commit()

    flash('Edit Data Success')

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

@app.route('/delete/<int:id>')

def delete(*id*):

    data\_books = Books.query.get(*id*)

    db.session.delete(data\_books)

    db.session.commit()

    flash('Delete Data Success')

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

@app.route('/view\_employee/<int:id>', *methods*=['GET'])

def view\_employee(*id*):

    books = Books.query.get(*id*)

*return* render\_template('view.html', *books*=books)

--------------------------------------------------------------------------------------------------------------------------------------

Base.html

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>My Data - {% *block* title %} {% *endblock*%}</title>

    <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm" crossorigin="anonymous">

</head>

<body>

*<!-- Navbar -->*

    <nav class="navbar navbar-light bg-light" style="margin-bottom: 1.5rem;">

        <div class="container">

            <span class="navbar-text">

                <h3>Library Management System - {% *block* header %} {% *endblock*%}</h3>

            </span>

        </div>

    </nav>

    <div class = "container">

        {% *block* body %}

        {% *endblock* %}

    </div>

    <script src="https://code.jquery.com/jquery-3.2.1.slim.min.js" integrity="sha384-KJ3o2DKtIkvYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN" crossorigin="anonymous"></script>

    <script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js" integrity="sha384-ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q" crossorigin="anonymous"></script>

    <script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js" integrity="sha384-JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYl" crossorigin="anonymous"></script>

</body>

</html>

--------------------------------------------------------------------------------------------------------------------------------------

Edit.html

{% *extends* 'base.html' %}

{% *block* title %} edit data {% *endblock* %}

{% *block* header %} Edit Data {% *endblock* %}

{% *block* body %}

    <a href="{{ url\_for('index') }}" class="btn btn-primary">Back Home</a>

    <div class="card-body">

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

            <div class="form-group">

                <label for="name">Name:</label>

                <div class="input-group">

                    <div class="input-group-prepend">

                        <div class="input-group-text">#</div>

                    </div>

                    <input type="hidden" name="id" value="{{ data.id }}">

                    <input type="text" id="name" class="form-control" placeholder="Input Name" name="name" value="{{ data.name }}">

                </div>

            </div>

            <div class="form-group">

                <label for="author">Author:</label>

                <d class="input-group">

                    <div class="input-group-prepend">

                        <div class="input-group-text">@</div>

                    </div>

                    <input type="text" id="author" class="form-control" placeholder="Input Author" name="author" value="{{ data.author }}">

                </d

            <div class="form-group">

                <label for="genre">Genre:</label>

                <div class="input-group">

                    <div class="input-group-prepend">

                        <div class="input-group-text">#</div>

                    </div>

                    <input type="text" id="genre" class="form-control" placeholder="Input Genre" name="genre" value="{{ data.genre}}">

                </div>

            </div>

            <div class="form-group">

                <label for="year">Year:</label>

                <div class="input-group">

                    <div class="input-group-prepend">

                        <div class="input-group-text">#</div>

                    </div>

                    <input type="text" id="year" class="form-control" placeholder="Input Year" name="year" value="{{ data.year}}">

                </div>

            </div>

            <div class="form-group">

                <button type="submit" class="btn btn-success btn-sm" name="submit">Submit</button>

                <button type="reset" class="btn btn-danger btn-sm">Cancel</button>

            </div>

        </form>

    </div>

{% *endblock* %}

--------------------------------------------------------------------------------------------------------------------------------------

Index.html

{% *extends* 'base.html' %}

{% *block* title %} List  Data {% *endblock* %}

{% *block* header %} Table Data {% *endblock* %}

{% *block* body %}

    <a href="{{ url\_for('input\_data') }}" class="btn btn-primary "style="margin-bottom:1.3rem;">Input Data</a>

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

        {% *if* messages %}

            {% *for* message *in* messages %}

                <div class="alert alert-success alert-dismissible fade show" role="alert">

                   <strong>success !</strong> You have sucessfully entered

                   <button type="button" class="close" data-dismiss="alert" aria-label="Close">

                        <span aria-hidden="true">&times;</span>

                    </button>

                </div>

            {% *endfor* %}

        {% *endif* %}

    {% *endwith* %}

    <table class="table">

        <thead class="thead-light">

            <tr>

                <th scope="col">No</th>

                <th scope="col">Name</th>

                <th scope="col">Author</th>

                <th scope="col">Genre</th>

                <th scope="col">Year Of Publish</th>

                <th scope="col">Action</th>

            </tr>

        </thead>

        <tbody>

            {% *for* book *in* data %}

                <tr>

                    <th scope="row">{{ loop.index}}</th>

                    <td>{{ book.name }}</td>

                    <td>{{ book.author }}</td>

                    <td>{{book.genre }}</td>

                    <td>{{book.year }}</td>

                    <td>

                        <a href="{{ url\_for('view\_data' , id=book.id) }}" class="btn btn-warning">View</a>

                        <a href="{{ url\_for('edit\_data' , id=book.id) }}" class="btn btn-warning">Edit</a>

                        <a href="{{ url\_for('delete' , id=book.id) }}" class="btn btn-danger" onclick="*return* confirm('Are you sure delete this data?')">Delete</a>

                    </td>

                </tr>

            {% *endfor*%}

        </tbody>

    </table>

{% *endblock* %}

--------------------------------------------------------------------------------------------------------------------------------------

Input.html

{% *extends* 'base.html' %}

{% *block* title %} input data {% *endblock*%}

{% *block* header %} Add New Data {% *endblock* %}

{% *block* body %}

    <a href="{{ url\_for('index') }}" class="btn btn-primary">BackHome</a>

    <div class="card-body">

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

            <div class="form-group">

                <label for="name">Name:</label>

                <div class="input-group">

                    <div class="input-group-prepend">

                        <div class="input-group-text">#</div>

                    </div>

                    <input type="text" id="name" class="form-control" placeholder="Input Book Name" name="name">

                </div>

            </div>

            <div class="form-group">

                <label for="author">Author:</label>

                <div class="input-group">

                    <div class="input-group-prepend">

                        <div class="input-group-text">#</div>

                    </div>

                    <input type="author" id="author" class="form-control" placeholder="Input Author Name" name="author">

                </div>

            </div>

            <div class="form-group">

                <label for="genre">Genre:</label>

                <div class="input-group">

                    <div class="input-group-prepend">

                        <div class="input-group-text">#</div>

                    </div>

                    <input type="genre" id="genre" class="form-control" placeholder="Input Genre" name="genre">

                </div>

            </div>

            <div class="form-group">

                <label for="year">Year of Publish:</label>

                <div class="input-group">

                    <div class="input-group-prepend">

                        <div class="input-group-text">#</div>

                    </div>

                    <input type="year" id="year" class="form-control" placeholder="Input Year of Publish" name="year">

                </div>

            </div>

            <div class="form-group">

                <button type="submit" class="btn btn-success btn-sm" name="submit">Submit</button>

                <button type="reset" class="btn btn-danger btn-sm">Cancel</button>

            </div>

        </form>

    </div>

{% *endblock*%}

--------------------------------------------------------------------------------------------------------------------------------------

View.html

{% *extends* 'base.html' %}

{% *block* title %} View Book Details {% *endblock* %}

{% *block* header %} View Book Details {% *endblock* %}

{% *block* body %}

    <a href="{{ url\_for('index') }}" class="btn btn-primary">Back Home</a>

    <div class="card-body">

        <div class="form-group">

            <label for="name">Name:</label>

            <p>{{ data.name }}</p>

        </div>

        <div class="form-group">

            <label for="author">Author:</label>

            <p>{{ data.author }}</p>

        </div>

        <div class="form-group">

            <label for="genre">Genre:</label>

            <p>{{ data.genre }}</p>

        </div>

        <div class="form-group">

            <label for="year">Year:</label>

            <p>{{ data.year }}</p>

        </div>

    </div>

{% *endblock* %}