ASSIGNMENT-2

PROJECT NAME :News tracker application

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FLASK PROJECT

CREATE FLASK

```
from flask import Flask

from flask_sqlalchemy import SQLAlchemy

from flask_login import LoginManager

 create_app():

    app = Flask(__name__) # creates the Flask instance, __name__ is

                             # the name of the current Python module

    app.config['SECRET_KEY'] = 'secret-key-goes-here' # it is used

                             #by Flask and extensions to keep data safe

    app.config['SQLALCHEMY_DATABASE_URI'] = 'sqlite:///db.sqlite'
```

```python
                           #it is the path where the SQLite database file

                           #will be saved

app.config['SQLALCHEMY_TRACK_MODIFICATIONS'] = False

                              # deactivate Flask-SQLAlchemy track modifications

db.init_app(app) # Initialiaze sqlite database

# The login manager contains the code that lets your application

# and Flask-Login work together

login_manager = LoginManager() # Create a Login Manager instance

login_manager.login_view = 'auth.login' # define the redirection

                               # path when login required and we attempt

                               # to access without being logged in

login_manager.init_app(app) # configure it for login

from models import User

@login_manager.user_loader

def load_user(user_id): #reload user object from the user ID

                           #stored in the session

    # since the user_id is just the primary key of our user

    # table, use it in the query for the user

    return User.query.get(int(user_id))

# blueprint for auth routes in our app

# blueprint allow you to orgnize your flask app

from auth import auth as auth_blueprint

app.register_blueprint(auth_blueprint)

# blueprint for non-auth parts of app

from main import main as main_blueprint
```

```
    app.register_blueprint(main_blueprint)

    return app
```

ADD TEMPLATE

base.html

```
<!DOCTYPE html>

<html>

<head>

    <meta charset="utf-8">

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

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <title>Flask Auth Example</title>

    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/bulma/0.7.2/css/bulma.min.css"
/>

</head>

<body>

<section class="hero is-fullheight" style="background-color:#C4FCEF;">

    <div class="hero-head">

        <nav class="navbar">

            <div class="container">

                <div id="navbarMenuHeroA" class="navbar-menu">

                    <div class="navbar-end">

                        <a href="{{ url_for('main.index') }}" class="navbar-item">

                            Home
```

```html
                    </a>
                    <a href="{{ url_for('main.profile') }}" class="navbar-item">
                        Profile
                    </a>
                    <a href="{{ url_for('auth.login') }}" class="navbar-item">
                        Login
                    </a>
                    <a href="{{ url_for('auth.signup') }}" class="navbar-item">
                        Sign Up
                    </a>
                    <a href="{{ url_for('auth.logout') }}" class="navbar-item">
                        Logout
                    </a>
                </div>
            </div>
        </div>
    </nav>
</div>
<div class="hero-body">
    <div class="container has-text-centered">
        {% block content %}{% endblock %}
    </div>
</div>
</div>
</section>
</body>
```

```
</html>
```

index.html

```
{% extends "base.html" %}

{% block content %}

<h1 class="title">

    Flask Login Example

</h1>

<h2 class="subtitle">

    Create a Login page using Flask :)

</h2>

{% endblock %}
```

profile.html

```
{% extends "base.html" %}

{% block content %}

<h1 class="title">

    Welcome, Jean!

</h1>

{% endblock %}
```

signup.html

```
{% extends "base.html" %}

{% block content %}
```

```html
<div class="column is-4 is-offset-4">

    <h3 class="title">Sign Up</h3>

    <div class="box">

        <form method="POST" action="/signup">

            <div class="field">

                <div class="control">

                    <input class="input is-large" type="email" name="email" placeholder="Email" autofocus="">

                </div>

            </div>

            <div class="field">

                <div class="control">

                    <input class="input is-large" type="text" name="name" placeholder="Name" autofocus="">

                </div>

            </div>

            <div class="field">

                <div class="control">

                    <input class="input is-large" type="password" name="password" placeholder="Password">

                </div>

            </div>

            <button class="button is-block is-info is-large is-fullwidth">Sign Up</button>

        </form>

    </div>

</div>

{% endblock %}
```

login.html

```
{% extends "base.html" %}

{% block content %}

<div class="column is-4 is-offset-4">

    <h3 class="title">Login</h3>

    <div class="box">

        <form method="POST" action="/login">

            <div class="field">

                <div class="control">

                    <input class="input is-large" type="email" name="email" placeholder="Your Email" autofocus="">

                </div>

            </div>

            <div class="field">

                <div class="control">

                    <input class="input is-large" type="password" name="password" placeholder="Your Password">

                </div>

            </div>

            <div class="field">

                <label class="checkbox">

                    <input type="checkbox">

                    Remember me

                </label>
```

```
                    </div>

                    <button class="button is-block is-info is-large is-fullwidth">Login</button>

                </form>

        </div>

    </div>

{% endblock %}
```

ADD BOOSTRAP

```
<html>

<head>

<title>Python Flask Upload and display image</title>

<link rel="stylesheet"
https:maxcdn.bootstrapcdn.com/bootstrap/3.3.6/css/bootstrap.min.css" />

<script
scr="https://ajax.googleapis.com/ajax/libs/jquery/3.1.0/jquery.min.js"></script>

</head>

<body>

<p><h1 align="center">Python Flask Upload and display image<h1></p>

<div class="container">

<div ciass="row">

<fore method="post" action="/" enctype="multipaet/form-data">

<dl>

<p>

<input type="file" name="file" class="form=control" autocomplete="off"
```

```
required>

</dl>

<p>

<input type="sudmit" valve="sudmit" class="btn btn-info">

</p>

</form>

</div>

</div>

</body>

</html>



<html>

<head>

<title>Python Flask Upload and display image</title>

<link rel="stylesheet"
https:maxcdn.bootstrapcdn.com/bootstrap/3.3.6/css/bootstrap.min.css" />

<script
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</head>

<body>

<p><h1 align="center">Python Flask Upload and display image<h1></p>

<div class="container">

<div ciass="row">
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<dl>

<p>

<input type="file" name="file" class="form=control" autocomplete="off"
required>

</dl>

<p>

<input type="sudmit" valve="sudmit" class="btn btn-info">

</p>

</form>

</div>

</div>

</body>

</html>
```

SIGN UP

```html
<!DOCTYPE html>

<html lang="en">


<head>

    <meta charset="UTF-8">

    <title>SignUp</title>

    <link rel="stylesheet"
```

```html
    href="{{url_for('static',filename='css/bootstrap.min.css')}}">
    <script src="{{url_for('static',filename='js/jquery.min.js')}}"></script>
</head>


<body>
    <nav class="navbar navbar-expand-md bg-success shadow">
        <a class="navbar-brand text-white" href="/">skills and job
recommendation</a>
    </nav>
    <div class="container" style="margin-top:100px">
        <div class="col-md-offset-5 col-md-4">
            <form action="/signup" method="post" autocomplete="off">


                <h3 class="page-header text-primary">SIGN UP</h3>
                <div class="form-group">
                    <label>Name</label>
                    <input type="text" name="name" placeholder="Enter
your Name" class="form-control" required>
                </div>
                <div class="form-group">
                    <label>Email</label>
                    <input type="email" name="email" placeholder="Enter
your Email" class="form-control" required>
                </div>
```

```html
<div class="form-group">

    <label>Contact</label>

    <input type="text" name="contact" placeholder="Enter your contact" class="form-control" required>

</div>

<div class="form-group">

    <label>Password</label>

    <input type="password" name="password" placeholder="Create a password" class="form-control"

    required>

</div>

<div class="form-group">

    <label>Confirm-Password</label>

    <input type="password" name="password1" placeholder="Rewrite a password" class="form-control"

    required>


</div>

<div class="form-group">

    <input type="submit" value="Signup" class="btn btn-success">

    <input type="reset" value="Clear" class="btn btn-danger">

</div>
```

```
            </form>

            <p class="bottom text-center mt-3">Already exist of an account? <a
class="bottom"

                  href="{{url_for('signin')}}">Login here</a>

        </div>


    </div>

</body>

</html>
```