

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'
```

```

        #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
```


Profile

Login

Sign Up

Logout

</div>

</div>

</div>

</nav>

</div>

<div class="hero-body">

<div class="container has-text-centered">

{% block content %}{% endblock %}

</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 %}
```

```
<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 BOOTSTRAP

```

<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
src="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 class="row">

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

<div>

<p>

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

```


required>

</dl>

<p>

<input type="submit" value="submit" 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

src="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 class="row">

```
<form method="post" action="/" enctype="multipart/form-data">
<dl>
<p>
<input type="file" name="file" class="form-control" autocomplete="off"
required>
</dl>
<p>
<input type="submit" value="submit" class="btn btn-info">
</p>
</form>
</div>
</div>
</body>
</html>
```

SIGN UP

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>SignUp</title>
  <link rel="stylesheet"
```

```
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>
```

```
<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

</div>

</div>

</body>

</html>