Name	Jeet Golecha
Roll No	SSNCE195001043
Date	10 September 2022
Team ID	B7-1A3E
Project Name	Project - Cloud Application Development

Assignment - 2
CRUD Operations Using Flask

1. Create a User table with users with email,username,roll number, password.

2. Perform UPDATE,DELETE Queries with user table

3. Connect python code to db2.

4. 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 the database and navigate to the login page to authenticate user username and password. If the user is valid, show the welcome page.

Source Code:

app.py

```python
from flask import Flask, render_template, url_for, redirect, flash
from flask_login import UserMixin, login_user, LoginManager,
login_required, logout_user, current_user
from wtforms.validators import InputRequired, Length, ValidationError
from flask_bcrypt import Bcrypt
from wtforms import StringField, PasswordField, SubmitField, IntegerField
from flask_wtf import FlaskForm
import sqlite3


app = Flask(__name__)
bcrypt = Bcrypt(app)
app.config['SECRET_KEY'] = 'B7-1A3E'



login_manager = LoginManager()
```

```python
login_manager.init_app(app)
login_manager.login_view = 'login'


@login_manager.user_loader
def load_user(user_id):
    conn = connect_db()
    user = conn.execute('SELECT * FROM user WHERE id = ?',
                        (user_id,)).fetchone()
    usr_obj = User(user[0], user[1], user[2])
    return usr_obj


def connect_db():
    conn = sqlite3.connect('database.db')
    return conn

class User:

    def __init__(self, id, email, username):
        self.id = id
        self.username = username
        self.email = email

    def to_json(self):
        return {"username": self.username,
                "email": self.email}

    def is_authenticated(self):
        return True

    def is_active(self):
        return True

    def is_anonymous(self):
        return False

    def get_id(self):
        return str(self.id)
```

```python
class RegisterForm(FlaskForm):
    email = StringField(validators=[
        InputRequired(), Length(min=4, max=50)], render_kw={"placeholder":
"Email"})
    username = StringField(validators=[
                            InputRequired(), Length(min=4, max=20)],
render_kw={"placeholder": "Username"})
    rollnumber = StringField(validators=[
        InputRequired(), Length(min=5, max=10)], render_kw={"placeholder":
"RollNumber"})
    password = PasswordField(validators=[
                                InputRequired(), Length(min=8, max=20)],
render_kw={"placeholder": "Password"})

    submit = SubmitField('Register')

    def validate_username(self, username):
        conn = connect_db()
        existing_user_username = conn.execute('SELECT * FROM user WHERE
username = ?',
                                                (username.data,)).fetchone()
        conn.commit()
        conn.close()
        if existing_user_username:
            raise ValidationError(
                'That username already exists. Try another one.')


class LoginForm(FlaskForm):
    username = StringField(validators=[
                            InputRequired(), Length(min=4, max=20)],
render_kw={"placeholder": "Username"})

    password = PasswordField(validators=[
                                InputRequired(), Length(min=8, max=20)],
render_kw={"placeholder": "Password"})

    submit = SubmitField('Login')
```

```python
class UpdateForm(FlaskForm):
    username = StringField(validators=[
                            InputRequired(), Length(min=4, max=20)],
render_kw={"placeholder": "Username"})


    oldpassword = PasswordField(validators=[
        InputRequired(), Length(min=8, max=20)], render_kw={"placeholder":
"Previous Password"})


    password = PasswordField(validators=[
                            InputRequired(), Length(min=8, max=20)],
render_kw={"placeholder": "Password"})


    submit = SubmitField('Update')



@app.route('/')
def home():
    return render_template('home.html')



@app.route('/login', methods=['GET', 'POST'])
def login():
    form = LoginForm()
    if form.validate_on_submit():
        conn = connect_db()
        user = conn.execute('SELECT * FROM user WHERE username = ?',
                            (form.username.data,)).fetchone()
        conn.commit()
        conn.close()
        if user:
            if bcrypt.check_password_hash(user[4], form.password.data):
                usr_obj = User(user[0], user[1], user[2])
                login_user(usr_obj)
                return redirect(url_for('welcome'))

            else:
                print('Hi')
                flash(f'Invalid credentials, check and try logging in
again.', 'danger')
```

```python
            return redirect(url_for('login'))

    return render_template('login.html', form=form)


@app.route('/welcome', methods=['GET', 'POST'])
@login_required
def welcome():
    return render_template('welcome.html')


@app.route('/logout', methods=['GET', 'POST'])
@login_required
def logout():
    logout_user()
    return redirect(url_for('login'))


@ app.route('/register', methods=['GET', 'POST'])
def register():
    form = RegisterForm()
    conn = connect_db()
    if form.validate_on_submit():
        hashed_password =
bcrypt.generate_password_hash(form.password.data)
        conn.execute('INSERT INTO user (email, username, roll_number,
pass_word) VALUES (?, ?, ?, ?)',
                     (form.email.data, form.username.data,
form.rollnumber.data, hashed_password))
        conn.commit()
        conn.close()
        return redirect(url_for('login'))
    return render_template('register.html', form=form)


@ app.route('/update', methods=['GET', 'POST'])
def update():
    form = UpdateForm()
    conn = connect_db()
    if form.validate_on_submit():
```

```python
        conn = connect_db()
        user = conn.execute('SELECT * FROM user WHERE username = ?',
                            (form.username.data,)).fetchone()

        if user:
            if bcrypt.check_password_hash(user[4], form.oldpassword.data):
                print(user)
                hashed_password1 = bcrypt.generate_password_hash(
                    form.password.data)
                conn.execute('UPDATE user set pass_word = ? where username
= ?',
                            (hashed_password1, form.username.data))
                conn.commit()
                conn.close()
                flash(f'Password changed successfully.', 'success')
                return redirect(url_for('home'))
            else:
                flash(f'Invalid password, Enter valid password.',
'danger')
                return redirect(url_for('update'))
        else:
            flash(f'Invalid user, Enter valid User.', 'danger')
            return redirect(url_for('update'))
    return render_template('update.html', form=form)


if __name__ == "__main__":
    app.run(debug=True)
```

schema.sql

```sql
DROP TABLE IF EXISTS user;

CREATE TABLE user (
    id INTEGER PRIMARY KEY AUTOINCREMENT,
    email TEXT NOT NULL,
    username TEXT NOT NULL,
    roll_number INTEGER NOT NULL,
    pass_word TEXT NOT NULL
);
```

Init_db.py

```python
import sqlite3

conn = sqlite3.connect('database.db')

with open('schema.sql') as f:
    conn.executescript(f.read())

conn.commit()
conn.close()
```

Style.css

```css
.header {
    padding: 5px 120px;
    width: 150px;
    height: 70px;
    background-color: #236b8e;
}

.border {
    padding: 80px 50px;
    width: 400px;
    height: 450px;
    border: 1px solid #236b8e;
    border-radius: 0px;
    background-color: #9ac0cd;
}

.btn {
    padding: 10px 40px;
    background-color: #236b8e;
    color: #ffffff;
    font-style: oblique;
    font-weight: bold;
    border-radius: 10px;
}
```

```css
.textbox {
  padding: 10px 40px;
  background-color: #236b8e;
  text-shadow: #ffffff;
  border-radius: 10px;
}

::placeholder {
  color: #ffffff;
  opacity: 1;
  font-style: oblique;
  font-weight: bold;
}

.word {
  color: #ffffff;
  font-style: oblique;
  font-weight: bold;
}

.bottom {
  color: #236b8e;
  font-style: oblique;
  font-weight: bold;
}

body {
  background: #fafafa;
  color: #333333;
  margin-top: 5rem;
}

h1, h2, h3, h4, h5, h6 {
  color: #444444;
}

.bg-steel {
  background-color: #5f788a;
}
```

```css
.site-header .navbar-nav .nav-link {
  color: #cbd5db;
}

.site-header .navbar-nav .nav-link:hover {
  color: #ffffff;
}

.site-header .navbar-nav .nav-link.active {
  font-weight: 500;
}

.content-section {
  background: #ffffff;
  padding: 10px 20px;
  border: 1px solid #dddddd;
  border-radius: 3px;
  margin-bottom: 20px;
}

.article-title {
  color: #444444;
}

a.article-title:hover {
  color: #428bca;
  text-decoration: none;
}

.article-content {
  white-space: pre-line;
}

.article-img {
  height: 65px;
  width: 65px;
  margin-right: 16px;
}

.article-metadata {
```

```css
    padding-bottom: 1px;
    margin-bottom: 4px;
    border-bottom: 1px solid #e3e3e3
}

.article-metadata a:hover {
    color: #333;
    text-decoration: none;
}

.article-svg {
    width: 25px;
    height: 25px;
    vertical-align: middle;
}

.account-img {
    height: 125px;
    width: 125px;
    margin-right: 20px;
    margin-bottom: 16px;
}

.account-heading {
    font-size: 2.5rem;
}
```

Templates:

Welcome.html

```html
<!DOCTYPE html>
<html lang="en">

<head>
    <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.3.1/dist/css/bootstrap.min.
css"
integrity="sha384-ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQUOhcWr7x9JvoR
xT2MZw1T" crossorigin="anonymous">
    <link rel="stylesheet" type="text/css" href="{{ url_for('static',
filename='style.css') }}" />
    <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>Welcome Page</title>
</head>

<body>
    <h1>Welcome!</h1> <br>
    <a href="{{url_for('logout')}}">Press here to logout</a>

    <script src="https://code.jquery.com/jquery-3.3.1.slim.min.js"
integrity="sha384-q8i/X+965DzO0rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH+8abtTE
1Pi6jizo" crossorigin="anonymous"></script>
    <script
src="https://cdn.jsdelivr.net/npm/popper.js@1.14.7/dist/umd/popper.min.js"
integrity="sha384-UO2eT0CpHqdSJQ6hJty5KVphtPhzWj9WO1clHTMGa3JDZwrnQq4sF86d
IHNDz0W1" crossorigin="anonymous"></script>
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@4.3.1/dist/js/bootstrap.min.js
"
integrity="sha384-JjSmVgyd0p3pXB1rRibZUAYoIIy6OrQ6VrjIEaFf/nJGzIxFDsf4x0xI
M+B07jRM" crossorigin="anonymous"></script>
</body>

</html>
```

Login.html

```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>Login</title>
    <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.3.1/dist/css/bootstrap.min.
css"
integrity="sha384-ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQUOhcWr7x9JvoR
xT2MZw1T" crossorigin="anonymous">
    <link rel="stylesheet" type="text/css" href="{{ url_for('static',
filename='style.css') }}" />
</head>

<body>
    <div class="col-md-8">
        {% with messages = get_flashed_messages(with_categories=true) %}
            {% if messages %}
                {% for category, message in messages %}
                    <div class="alert alert-{{category}}">
                        {{ message }}
                    </div>
                {% endfor %}
            {% endif %}
        {% endwith %}
        {% block content %} {% endblock %}
    </div>

    <h1>Login Page</h1> <br>

    <form method="POST" action="">
        {{ form.hidden_tag() }}
        <fieldset class="form-group">
            <div>
                {{ form.username.label(class="form-control-label") }}
```

```
            {% if form.username.errors %}
                {{ form.username(class="form-control form-control-lg
is-invalid") }}
                <div class="invalid-feedback">
                    {% for error in form.username.errors %}
                        <span>{{ error }}</span>
                    {% endfor %}
                </div>
            {% else %}
                {{ form.username(class="form-control form-control-lg")
}}
            {% endif %}
        </div>


        <div>
            {{ form.password.label(class="form-control-label") }}

            {% if form.password.errors %}
                {{ form.password(class="form-control form-control-lg
is-invalid") }}
                <div class="invalid-feedback">
                    {% for error in form.password.errors %}
                        <span>{{ error }}</span>
                    {% endfor %}
                </div>
            {% else %}
                {{ form.password(class="form-control form-control-lg")
}}
            {% endif %}
        </div>

    </fieldset>
    <div class="form-group">
        {{ form.submit(class="btn btn-outline-info") }}
    </div>

    <small class="text-muted ml-2">
```

```html
            <a href='{{url_for('register')}}'>Do not have an account? Sign
Up?</a>
        </small>

    </form>

    <script src="https://code.jquery.com/jquery-3.3.1.slim.min.js"
integrity="sha384-q8i/X+965DzO0rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH+8abtTE
1Pi6jizo" crossorigin="anonymous"></script>
    <script
src="https://cdn.jsdelivr.net/npm/popper.js@1.14.7/dist/umd/popper.min.js"
integrity="sha384-UO2eT0CpHqdSJQ6hJty5KVphtPhzWj9WO1clHTMGa3JDZwrnQq4sF86d
IHNDz0W1" crossorigin="anonymous"></script>
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@4.3.1/dist/js/bootstrap.min.js
"
integrity="sha384-JjSmVgyd0p3pXB1rRibZUAYoIIy6OrQ6VrjIEaFf/nJGzIxFDsf4x0xI
M+B07jRM" crossorigin="anonymous"></script>
</body>

</html>
```

Home.html

```html
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.3.1/dist/css/bootstrap.min.
css"
integrity="sha384-ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQUOhcWr7x9JvoR
xT2MZw1T" crossorigin="anonymous">
    <link rel="stylesheet" type="text/css" href="{{ url_for('static',
filename='style.css') }}" />

    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Home</title>
```

```html
</head>

<body>
    <div class="col-md-8">
        {% with messages = get_flashed_messages(with_categories=true) %}
            {% if messages %}
                {% for category, message in messages %}
                    <div class="alert alert-{{category}}">
                        {{ message }}
                    </div>
                {% endfor %}
            {% endif %}
        {% endwith %}
        {% block content %} {% endblock %}
    </div>
    <h1>Flask Application</h1> <br>
    <a href="{{ url_for('login') }}">Login Page</a><br> <br>
    <a href="{{ url_for('register') }}">Register Page</a><br> <br>
    <a href="{{ url_for('update') }}">Update Password</a><br> <br>

    <script src="https://code.jquery.com/jquery-3.3.1.slim.min.js"
integrity="sha384-q8i/X+965DzO0rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH+8abtTE
1Pi6jizo" crossorigin="anonymous"></script>
    <script
src="https://cdn.jsdelivr.net/npm/popper.js@1.14.7/dist/umd/popper.min.js"
integrity="sha384-UO2eT0CpHqdSJQ6hJty5KVphtPhzWj9WO1clHTMGa3JDZwrnQq4sF86d
IHNDz0W1" crossorigin="anonymous"></script>
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@4.3.1/dist/js/bootstrap.min.js
"
integrity="sha384-JjSmVgyd0p3pXB1rRibZUAYoIIy6OrQ6VrjIEaFf/nJGzIxFDsf4x0xI
M+B07jRM" crossorigin="anonymous"></script>
</body>

</html>
```

Register.html

```html
<!DOCTYPE html>
<html lang="en">

<head>
    <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.3.1/dist/css/bootstrap.min.
css"
integrity="sha384-ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQUOhcWr7x9JvoR
xT2MZw1T" crossorigin="anonymous">
    <link rel="stylesheet" type="text/css" href="{{ url_for('static',
filename='style.css') }}" />
    <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>Register</title>
</head>

<body>
    <h1>Register Page</h1> <br>

    <!-- <form method="POST" action="">
        {{ form.hidden_tag() }}
        {{ form.email }} <br> <br>
        {{ form.username }} <br> <br>
        {{ form.rollnumber }} <br> <br>
        {{ form.password }} <br> <br>
        {{ form.submit }} <br> <br>
    </form> -->

    <form method="POST" action="">
        {{ form.hidden_tag() }}
        <fieldset class="form-group">
            <!-- <legend class="border-bottom mb-4">Registration
Page</legend> -->

            <div>
                {{ form.email.label(class="form-control-label") }}
```

```
{% if form.email.errors %}
    {{ form.email(class="form-control form-control-lg
is-invalid") }}
        <div class="invalid-feedback">
            {% for error in form.email.errors %}
                <span>{{ error }}</span>
            {% endfor %}
        </div>
{% else %}
    {{ form.email(class="form-control form-control-lg") }}
{% endif %}
</div>


<div>
    {{ form.username.label(class="form-control-label") }}

    {% if form.username.errors %}
        {{ form.username(class="form-control form-control-lg
is-invalid") }}
            <div class="invalid-feedback">
                {% for error in form.username.errors %}
                    <span>{{ error }}</span>
                {% endfor %}
            </div>
    {% else %}
        {{ form.username(class="form-control form-control-lg")
}}
    {% endif %}
</div>

<div>
    {{ form.rollnumber.label(class="form-control-label") }}

    {% if form.rollnumber.errors %}
        {{ form.rollnumber(class="form-control form-control-lg
is-invalid") }}
            <div class="invalid-feedback">
                {% for error in form.rollnumber.errors %}
                    <span>{{ error }}</span>
```

```
                        {% endfor %}
                    </div>
                {% else %}
                    {{ form.rollnumber(class="form-control
form-control-lg") }}
                {% endif %}
            </div>


            <div>
                {{ form.password.label(class="form-control-label") }}

                {% if form.password.errors %}
                    {{ form.password(class="form-control form-control-lg
is-invalid") }}
                    <div class="invalid-feedback">
                        {% for error in form.password.errors %}
                            <span>{{ error }}</span>
                        {% endfor %}
                    </div>
                {% else %}
                    {{ form.password(class="form-control form-control-lg")
}}
                {% endif %}
            </div>

        </fieldset>
        <div class="form-group">
            {{ form.submit(class="btn btn-outline-info") }}
        </div>

        <small class="text-muted ml-2">
            <a href="{{ url_for('login') }}">Already have an account? Log
In</a>
        </small>

    </form>
```

```
    <script src="https://code.jquery.com/jquery-3.3.1.slim.min.js"
integrity="sha384-q8i/X+965Dz00rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH+8abtTE
1Pi6jizo" crossorigin="anonymous"></script>
    <script
src="https://cdn.jsdelivr.net/npm/popper.js@1.14.7/dist/umd/popper.min.js"
integrity="sha384-UO2eT0CpHqdSJQ6hJty5KVphtPhzWj9WO1clHTMGa3JDZwrnQq4sF86d
IHNDz0W1" crossorigin="anonymous"></script>
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@4.3.1/dist/js/bootstrap.min.js
"
integrity="sha384-JjSmVgyd0p3pXB1rRibZUAYoIIy6OrQ6VrjIEaFf/nJGzIxFDsf4x0xI
M+B07jRM" crossorigin="anonymous"></script>
</body>

</html>
```

Update.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>Login</title>
    <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.3.1/dist/css/bootstrap.min.
css"
integrity="sha384-ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQUOhcWr7x9JvoR
xT2MZw1T" crossorigin="anonymous">
    <link rel="stylesheet" type="text/css" href="{{ url_for('static',
filename='style.css') }}" />
</head>

<body>
    <div class="col-md-8">
        {% with messages = get_flashed_messages(with_categories=true) %}
            {% if messages %}
                {% for category, message in messages %}
```

```html
                <div class="alert alert-{{category}}">
                    {{ message }}
                </div>
            {% endfor %}
        {% endif %}
    {% endwith %}
    {% block content %} {% endblock %}
</div>


<h1>Update Password</h1> <br>


<form method="POST" action="">
    {{ form.hidden_tag() }}
    <fieldset class="form-group">
        <div>
            {{ form.username.label(class="form-control-label") }}

            {% if form.username.errors %}
                {{ form.username(class="form-control form-control-lg
is-invalid") }}
                <div class="invalid-feedback">
                    {% for error in form.username.errors %}
                        <span>{{ error }}</span>
                    {% endfor %}
                </div>
            {% else %}
                {{ form.username(class="form-control form-control-lg")
}}
            {% endif %}
        </div>

        <div>
            {{ form.oldpassword.label(class="form-control-label") }}

            {% if form.oldpassword.errors %}
                {{ form.oldpassword(class="form-control
form-control-lg is-invalid") }}
                <div class="invalid-feedback">
                    {% for error in form.oldpassword.errors %}
                        <span>{{ error }}</span>
```

```
                    {% endfor %}
                </div>
            {% else %}
                {{ form.oldpassword(class="form-control
form-control-lg") }}
            {% endif %}
        </div>


        <div>
            {{ form.password.label(class="form-control-label") }}

            {% if form.password.errors %}
                {{ form.password(class="form-control form-control-lg
is-invalid") }}
                <div class="invalid-feedback">
                    {% for error in form.password.errors %}
                        <span>{{ error }}</span>
                    {% endfor %}
                </div>
            {% else %}
                {{ form.password(class="form-control form-control-lg")
}}
            {% endif %}
        </div>


    </fieldset>
    <div class="form-group">
        {{ form.submit(class="btn btn-outline-info") }}
    </div>
</form>

<script src="https://code.jquery.com/jquery-3.3.1.slim.min.js"
integrity="sha384-q8i/X+965DzO0rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH+8abtTE
1Pi6jizo" crossorigin="anonymous"></script>
<script
src="https://cdn.jsdelivr.net/npm/popper.js@1.14.7/dist/umd/popper.min.js"
integrity="sha384-UO2eT0CpHqdSJQ6hJty5KVphtPhzWj9WO1clHTMGa3JDZwrnQq4sF86d
IHNDz0W1" crossorigin="anonymous"></script>
```

```
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@4.3.1/dist/js/bootstrap.min.js
"
integrity="sha384-JjSmVgyd0p3pXB1rRibZUAYoIIy6OrQ6VrjIEaFf/nJGzIxFDsf4x0xI
M+B07jRM" crossorigin="anonymous"></script>
</body>

</html>
```

Output Snapshots:

Flask Application

Login Page

Register Page

Update Password

Registration:

Register Page

Email

jeetgolecha@gmail.com

Username

jeet123

Rollnumber

1232121

Password

••••••••

Register

Already have an account? Log In

Login:

Login Page

Username

jeet123

Password

••••••••

Login

Do not have an account? Sign Up?

127.0.0.1:5000/login

Invalid credentials, check and try logging in again.

Login Page

Username

Username

Password

Password

Login

Do not have an account? Sign Up?

127.0.0.1:5000/welcome

Welcome!

Press here to logout

Password Updation:

127.0.0.1:5000/update

Update Password

Username

jeet12345

Oldpassword

••••••••••

Password

•••••••••••••

Update

Browser 1

127.0.0.1:5000/update

Invalid user, Enter valid User.

Update Password

Username

Username

Oldpassword

Previous Password

Password

Password

Update

Browser 2

127.0.0.1:5000/update

Update Password

Username

jeet123

Oldpassword

•••••••••••

Password

•••••••••

Update

127.0.0.1:5000/update

Invalid password, Enter valid password.

Update Password

Username

Username

Oldpassword

Previous Password

Password

Password

Update

127.0.0.1:5000/update

Invalid password, Enter valid password.

Update Password

Username

jeet123

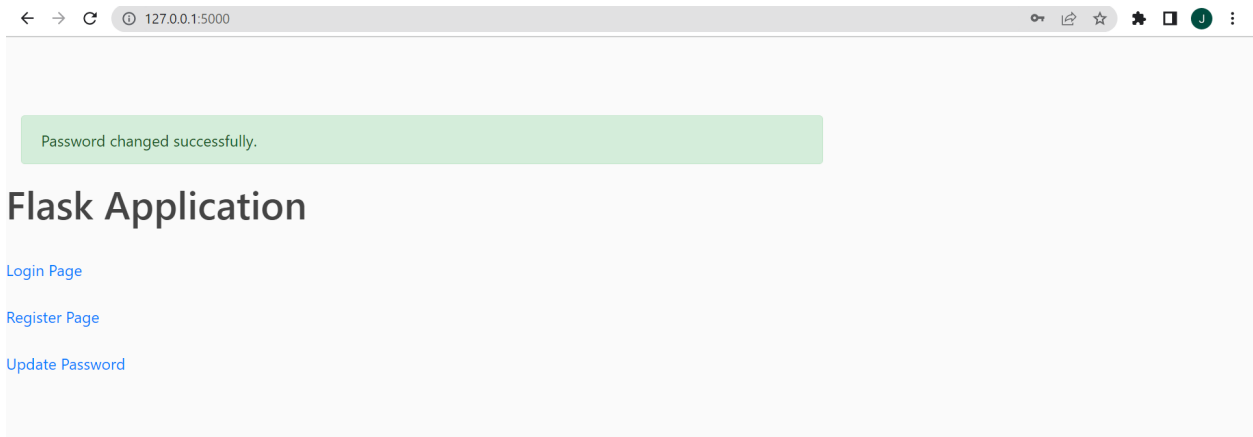Oldpassword

••••••••

Password

••••••••

Update

Password changed successfully.

Flask Application

Login Page

Register Page

Update Password

Login with new password:

Login Page

Username

jeet123

Password

••••••••

Login

Do not have an account? Sign Up?

Welcome!

Press here to logout