

## SPRINT-1

Date	29 October 2022
Team ID	PNT2022TMID49649
Project Name	Project – Personal Expense Tracker Application

### CODE:

#### Index.html

```
<!DOCTYPE html>

<html lang="en">

<head>

    <title>Login page</title>


</head>

<style>

    *{

        margin: 0;

        padding: 0;

    }
```

```
.main{  
  width: 100%;  
  background: linear-gradient(to top, rgba(0,0,0,0.5)50%,rgba(0,0,0,0.5)50%);  
  background-position: left;  
  background-size: cover;  
  height: 100vh;  
}
```

```
.navbar{  
  width: 1200px;  
  height: 75px;  
  margin: auto;  
}
```

```
.icon{  
  width: 200px;  
  float: left;  
  height: 70px;  
}
```

```
.logo{  
  color: #ebdc0b;  
  font-size: 35px;  
  font-family: Arial;  
  padding-left: 20px;  
  float: left;  
  padding-top: 10px;  
  margin-top: 5px  
}
```

```
.menu{  
  width: 400px;  
  float: left;  
  height: 70px;  
}
```

```
ul{  
  float: left;  
  display: flex;  
  justify-content: center;
```

```
    align-items: center;
}
```

```
ul li{
    list-style: none;
    margin-left: 62px;
    margin-top: 27px;
    font-size: 14px;
}
```

```
ul li a{
    text-decoration: none;
    color: #fff;
    font-family: Arial;
    font-weight: bold;
    transition: 0.4s ease-in-out;
}
```

```
ul li a:hover{
    color: #e9a30d;
```

```
}
```

```
.btn{
```

```
  width: 100px;
```

```
  height: 40px;
```

```
  background: #ff7200;
```

```
  border: 2px solid #ff7200;
```

```
  margin-top: 13px;
```

```
  color: #fff;
```

```
  font-size: 15px;
```

```
  border-bottom-right-radius: 5px;
```

```
  border-bottom-right-radius: 5px;
```

```
  transition: 0.2s ease;
```

```
  cursor: pointer;
```

```
}
```

```
.btn:hover{
```

```
  color: #000;
```

```
}
```

```
.btn:focus{  
    outline: none;  
}
```

```
.srch:focus{  
    outline: none;  
}
```

```
.content{  
    width: 1200px;  
    height: auto;  
    margin: auto;  
    color: #fff;  
    position: relative;  
}
```

```
.content .par{  
    padding-left: 20px;  
    padding-bottom: 25px;
```

```
font-family: Arial;  
letter-spacing: 1.2px;  
line-height: 30px;  
}
```

```
.content h1 {  
    font-family: 'Times New Roman';  
    font-size: 50px;  
    padding-left: 20px;  
    margin-top: 9%;  
    letter-spacing: 2px;  
}
```

```
.content .cn {  
    width: 160px;  
    height: 40px;  
    background: #0c0c0c;  
    border: none;  
    margin-bottom: 10px;  
    margin-left: 20px;
```

```
font-size: 18px;
border-radius: 10px;
cursor: pointer;
transition: .4s ease;

}
```

```
.content .cn a{
    text-decoration: none;
    color: #000;
    transition: .3s ease;
}
```

```
.cn:hover{
    background-color: #fff;
}
```

```
.content span{
    color: #ff7200;
    font-size: 65px
```



```
}
```

```
.form{  
  width: 250px;  
  height: 380px;  
  background: linear-gradient(to top, rgba(0,0,0,0.8)50%,rgba(0,0,0,0.8)50%);  
  position: absolute;  
  top: -20px;  
  left: 870px;  
  transform: translate(0%,-5%);  
  border-radius: 10px;  
  padding: 25px;  
}
```

```
.form h2{  
  width: 220px;  
  font-family: sans-serif;  
  text-align: center;  
  color: #ff7200;  
  font-size: 22px;
```

```
background-color: #fff;  
border-radius: 10px;  
margin: 2px;  
padding: 8px;  
}
```

```
.form input{  
width: 240px;  
height: 35px;  
background: transparent;  
border-bottom: 1px solid #ff7200;  
border-top: none;  
border-right: none;  
border-left: none;  
color: #fff;  
font-size: 15px;  
letter-spacing: 1px;  
margin-top: 30px;  
font-family: sans-serif;  
}
```

```
.form input:focus{  
    outline: none;  
}
```

```
::placeholder{  
    color: #fff;  
    font-family: Arial;  
}
```

```
.btnn{  
    width: 240px;  
    height: 40px;  
    background: #ff7200;  
    border: none;  
    margin-top: 30px;  
    font-size: 18px;  
    border-radius: 10px;  
    cursor: pointer;  
    color: #fff;
```

```
    transition: 0.4s ease;
}
.btnn:hover{
    background: #fff;
    color: #141414;
}
.btnn a{
    text-decoration: none;
    color: #000;
    font-weight: bold;
}
.form .link{
    font-family: Arial, Helvetica, sans-serif;
    font-size: 17px;
    padding-top: 20px;
    text-align: center;
}
.form .link a{
    text-decoration: none;
    color: #ff7200;
```

```
}  
.liw{  
    padding-top: 15px;  
    padding-bottom: 10px;  
    text-align: center;  
}  
.icons a{  
    text-decoration: none;  
    color: #fff;  
}  
.icons ion-icon{  
    color: #fff;  
    font-size: 30px;  
    padding-left: 14px;  
    padding-top: 5px;  
    transition: 0.3s ease;  
}  
.icons ion-icon:hover{  
    color: #ff7200;  
}
```

```
body{
    background-image: url("https://images.pexels.com/photos/730547/pexels-photo-730547.jpeg?auto=compress&cs=tinysrgb&w=600");
    background-size: cover;
}
</style>
<body>
    <div class="main">
        <div class="navbar">
            <div class="icon">
                <h2 class="logo"></h2>
            </div>

            <div class="menu">
                <ul>
                    <li><a href="{{ 'index' }}">HOME</a></li>
                    <li><a href="{{ 'login' }}">LOGIN</a></li>
                    <li><a href="{{ 'register' }}">REGISTER</a></li>

                </ul>
            </div>
        </div>
    </div>
</body>
```

</div>

</div>

<div class="content">

<h1>PERSONAL<br><span>EXPENSE TRACKER</span> <br></h1>

<p class="par">An Application that helps to track expenses<br>and to keep an accurate record of your money inflow and outflow.</br></p>

</div>

</div>

</div>

</div>

<script src="https://unpkg.com/ionicons@5.4.0/dist/ionicons.js"></script>

</body>

</html>

**login.html**

<!DOCTYPE html>

<html lang="en">

```
<head>
```

```
  <meta charset="UTF-8">
```

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

```
  <title>login Form</title>
```

```
</head>
```

```
<style>
```

```
  @import url('https://fonts.googleapis.com/css?family=Montserrat:400,700&display=swap');
```

```
*{
```

```
  margin: 0;
```

```
  padding: 0;
```

```
  box-sizing: border-box;
```

```
  font-family: 'Montserrat', sans-serif;
```

```
}
```

```
body{
```

```
  background: #a8a8a8b0;
```

```
  padding: 0 10px;
```

```
}
```

```
.wrapper{
```



```
max-width: 500px;
width: 100%;
background: #fff;
margin: 20px auto;
box-shadow: 1px 1px 2px rgba(0,0,0,0.125);
padding: 30px;
}
```

```
.wrapper .title{
font-size: 24px;
font-weight: 700;
margin-bottom: 25px;
color: #000000;
text-transform: uppercase;
text-align: center;
}
```

```
.wrapper .form{
width: 100%;
}
```

```
.wrapper .form .inputfield{  
  margin-bottom: 15px;  
  display: flex;  
  align-items: center;  
}
```

```
.wrapper .form .inputfield label{  
  width: 200px;  
  color: #757575;  
  margin-right: 10px;  
  font-size: 14px;  
}
```

```
.wrapper .form .inputfield .input,  
.wrapper .form .inputfield .textarea{  
  width: 100%;  
  outline: none;  
  border: 1px solid #d5dbd9;  
  font-size: 15px;
```

```
padding: 8px 10px;  
border-radius: 3px;  
transition: all 0.3s ease;  
}
```

```
.wrapper .form .inputfield .textarea{  
width: 100%;  
height: 125px;  
resize: none;  
}
```

```
.wrapper .form .inputfield .custom_select{  
position: relative;  
width: 100%;  
height: 37px;  
}
```

```
.wrapper .form .inputfield .custom_select:before{  
content: "";  
position: absolute;
```

```
top: 12px;
right: 10px;
border: 8px solid;
border-color: #d5dbd9 transparent transparent transparent;
pointer-events: none;
}
```

```
.wrapper .form .inputfield .custom_select select{
  -webkit-appearance: none;
  -moz-appearance: none;
  appearance: none;
  outline: none;
  width: 100%;
  height: 100%;
  border: 0px;
  padding: 8px 10px;
  font-size: 15px;
  border: 1px solid #d5dbd9;
  border-radius: 3px;
}
```

```
.wrapper .form .inputfield .input:focus,  
.wrapper .form .inputfield .textarea:focus,  
.wrapper .form .inputfield .custom_select select:focus{  
  border: 1px solid #85837c;  
}  
  
.wrapper .form .inputfield p{  
  font-size: 14px;  
  color: #757575;  
}  
  
.wrapper .form .inputfield .check{  
  width: 15px;  
  height: 15px;  
  position: relative;  
  display: block;  
  cursor: pointer;  
}  
  
.wrapper .form .inputfield .check input[type="checkbox"]{
```

```
position: absolute;
top: 0;
left: 0;
opacity: 0;
}
.wrapper .form .inputfield .check .checkmark{
width: 15px;
height: 15px;
border: 1px solid #a3a19c;
display: block;
position: relative;
}
.wrapper .form .inputfield .check .checkmark:before{
content: "";
position: absolute;
top: 1px;
left: 2px;
width: 5px;
height: 2px;
border: 2px solid;
```

```
border-color: transparent transparent #fff #fff;
```

```
transform: rotate(-45deg);
```

```
display: none;
```

```
}
```

```
.wrapper .form .inputfield .check input[type="checkbox"]:checked ~ .checkmark{
```

```
background: #b3b0a9;
```

```
}
```

```
.wrapper .form .inputfield .check input[type="checkbox"]:checked ~ .checkmark:before{
```

```
display: block;
```

```
}
```

```
.wrapper .form .inputfield .btn{
```

```
width: 100%;
```

```
padding: 8px 10px;
```

```
font-size: 15px;
```

```
border: 0px;
```

```
background: #adaba3;
```

```
color: #fff;
```

```
cursor: pointer;
```

```
border-radius: 3px;  
outline: none;  
}
```

```
.wrapper .form .inputfield .btn:hover{  
background: #a3a098;  
}
```

```
.wrapper .form .inputfield:last-child{  
margin-bottom: 0;  
}
```

```
@media (max-width:420px) {  
  .wrapper .form .inputfield{  
    flex-direction: column;  
    align-items: flex-start;  
  }  
  .wrapper .form .inputfield label{  
    margin-bottom: 5px;  
  }  
}
```



```
.wrapper .form .inputfield.terms{  
    flex-direction: row;  
}  
}
```

```
</style>
```

```
<body>
```

```
<form action="{{ url_for('login') }}" method="post">
```

```
    <div class="wrapper">
```

```
        <div class="title">
```

```
            LOGIN
```

```
        </div>
```

```
    <div class="form">
```

```
        <div class="inputfield">
```

```
            <label>Username</label>
```

```
            <input type="username" name="username" class="input">
```

```
        </div>
```

```
    <div class="inputfield">
```

```
        <label>Password</label>
```

```
        <input type="password" name="password" class="input">
    </div>

    <button><input type="submit" value="LOGIN" /></button>
</div>
</div>
</form>

</body>
</html>
```

### **Register.html**

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Registration Form</title>

</head>
<style>
```

```
@import url('https://fonts.googleapis.com/css?family=Montserrat:400,700&display=swap');
```

```
*{  
  margin: 0;  
  padding: 0;  
  box-sizing: border-box;  
  font-family: 'Montserrat', sans-serif;  
}  
body{  
  background: #a8a8a8b0;  
  padding: 0 10px;  
}  
.wrapper{  
  max-width: 500px;  
  width: 100%;  
  background: #fff;  
  margin: 20px auto;  
  box-shadow: 1px 1px 2px rgba(0,0,0,0.125);  
  padding: 30px;  
}
```

```
.wrapper .title{  
  font-size: 24px;  
  font-weight: 700;  
  margin-bottom: 25px;  
  color: #000000;  
  text-transform: uppercase;  
  text-align: center;  
}
```

```
.wrapper .form{  
  width: 100%;  
}
```

```
.wrapper .form .inputfield{  
  margin-bottom: 15px;  
  display: flex;  
  align-items: center;  
}
```

```
.wrapper .form .inputfield label{  
  width: 200px;  
  color: #757575;  
  margin-right: 10px;  
  font-size: 14px;  
}
```

```
.wrapper .form .inputfield .input,  
.wrapper .form .inputfield .textarea{  
  width: 100%;  
  outline: none;  
  border: 1px solid #d5dbd9;  
  font-size: 15px;  
  padding: 8px 10px;  
  border-radius: 3px;  
  transition: all 0.3s ease;  
}
```

```
.wrapper .form .inputfield .textarea{  
  width: 100%;
```

```
height: 125px;  
resize: none;  
}
```

```
.wrapper .form .inputfield .custom_select{  
  position: relative;  
  width: 100%;  
  height: 37px;  
}
```

```
.wrapper .form .inputfield .custom_select:before{  
  content: "";  
  position: absolute;  
  top: 12px;  
  right: 10px;  
  border: 8px solid;  
  border-color: #d5dbd9 transparent transparent transparent;  
  pointer-events: none;  
}
```

```
.wrapper .form .inputfield .custom_select select{  
  -webkit-appearance: none;  
  -moz-appearance: none;  
  appearance: none;  
  outline: none;  
  width: 100%;  
  height: 100%;  
  border: 0px;  
  padding: 8px 10px;  
  font-size: 15px;  
  border: 1px solid #d5dbd9;  
  border-radius: 3px;  
}
```

```
.wrapper .form .inputfield .input:focus,  
.wrapper .form .inputfield .textarea:focus,  
.wrapper .form .inputfield .custom_select select:focus{  
  border: 1px solid #85837c;  
}
```

```
.wrapper .form .inputfield p{  
    font-size: 14px;  
    color: #757575;  
}
```

```
.wrapper .form .inputfield .check{  
    width: 15px;  
    height: 15px;  
    position: relative;  
    display: block;  
    cursor: pointer;  
}
```

```
.wrapper .form .inputfield .check input[type="checkbox"]{  
    position: absolute;  
    top: 0;  
    left: 0;  
    opacity: 0;  
}
```

```
.wrapper .form .inputfield .check .checkmark{  
    width: 15px;  
    height: 15px;
```



```
border: 1px solid #a3a19c;
display: block;
position: relative;
}
.wrapper .form .inputfield .check .checkmark:before{
  content: "";
  position: absolute;
  top: 1px;
  left: 2px;
  width: 5px;
  height: 2px;
  border: 2px solid;
  border-color: transparent transparent #fff #fff;
  transform: rotate(-45deg);
  display: none;
}
.wrapper .form .inputfield .check input[type="checkbox"]:checked ~ .checkmark{
  background: #b3b0a9;
}
```

```
.wrapper .form .inputfield .check input[type="checkbox"]:checked ~ .checkmark:before{  
  display: block;  
}
```

```
.wrapper .form .inputfield .btn{  
  width: 100%;  
  padding: 8px 10px;  
  font-size: 15px;  
  border: 0px;  
  background: #adaba3;  
  color: #fff;  
  cursor: pointer;  
  border-radius: 3px;  
  outline: none;  
}
```

```
.wrapper .form .inputfield .btn:hover{  
  background: #a3a098;  
}
```

```
.wrapper .form .inputfield:last-child{  
    margin-bottom: 0;  
}
```

```
@media (max-width:420px) {  
    .wrapper .form .inputfield{  
        flex-direction: column;  
        align-items: flex-start;  
    }
```

```
.wrapper .form .inputfield label{  
    margin-bottom: 5px;  
}
```

```
.wrapper .form .inputfield.terms{  
    flex-direction: row;  
}  
}
```

</style>

<body>

<form action="{ { url\_for('register') } }" method="post">

```
<div class="wrapper">
  <div class="title">REGISTRATION
</div>
<div class="form">
  <div class="inputfield">
    <label>Username</label>
    <input type="username" name="username" class="input">
  </div>
  <div class="inputfield">
    <label>Email</label>
    <input type="email" name="email" class="input">
  </div>
  <div class="inputfield">
    <label>Password</label>
    <input type="password" name="password" class="input">
  </div>
  <div class="inputfield">
    <label>Confirm Password</label>
    <input type="password" name="confirmpassword" class="input">
  </div>
</div>
```

```
</div>
```

```
<div class="inputfield">
```

```
<label>Phone number</label>
```

```
<input type="phonenummer" name="phonenummer" class="input">
```

```
</div>
```

```
<button>
```

```
<input type="submit" value="REGISTER" />
```

```
</button>
```

```
</div>
```

```
</div>
```

```
</body>
```

```
</html>
```

```
</form>
```

```
</body>
```

```
</html>
```

## App.py

```
from flask import Flask, render_template, request, redirect, url_for, session
```

```
import ibm_db
```

```
import re
```

```
app = Flask(__name__)
```

```
app.secret_key = 'a'
```

```
conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=ba99a9e6-d59e-4883fc0-  
d6a8c9f7a08f.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=31321;SECURITY=SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;U  
ID=pvw86690;PWD=zJNTZLGkY3yuoy3X",",")
```

```
@app.route('/')
```

```
def home():
```

```
    return render_template('index.html')
```

```
@app.route('/login', methods =['GET', 'POST'])
```

```
def login():
```

```
    global userid
```

```
    msg = "
```

```
    if request.method == 'POST' and 'username' in request.form and 'password' in request.form:
```

```
        username = request.form['username']
```

```
        password = request.form['password']
```

```
stmt = ibm_db.prepare(conn,'SELECT * FROM accounts WHERE username = ? AND password = ?')
ibm_db.bind_param(stmt,1,username)
ibm_db.bind_param(stmt,2,password)
ibm_db.execute(stmt)
account = ibm_db.fetch_assoc(stmt)
if account:
    session['loggedin'] = True
    session['username'] = account['USERNAME']
    msg = 'Logged in successfully !'
    return render_template('index.html', msg = msg)
else:
    msg = 'Incorrect username / password !'
return render_template('login.html', msg = msg)
```

```
@app.route('/logout')
```

```
def logout():
```

```
    session.pop('loggedin', None)
    session.pop('id', None)
    session.pop('username', None)
    return redirect(url_for('login'))
```

```
@app.route('/register', methods =['GET', 'POST'])

def register():

    msg = "

    if request.method == 'POST':

        username = request.form['username']

        email = request.form['email']

        password = request.form['password']

        confirmpassword = request.form['confirmpassword']

        phonenumber= request.form['phonenumber']

        sql = "SELECT * FROM accounts WHERE username = ? "

        stmt = ibm_db.prepare(conn,sql)

        ibm_db.bind_param(stmt,1,username)

        ibm_db.execute(stmt)

        account = ibm_db.fetch_assoc(stmt)

        print(account)

        if account:

            msg = 'Account already exists !'

        elif not re.match(r'^@]+@^[^@]+\.[^@]+' , email):

            msg = 'Invalid email address !'
```

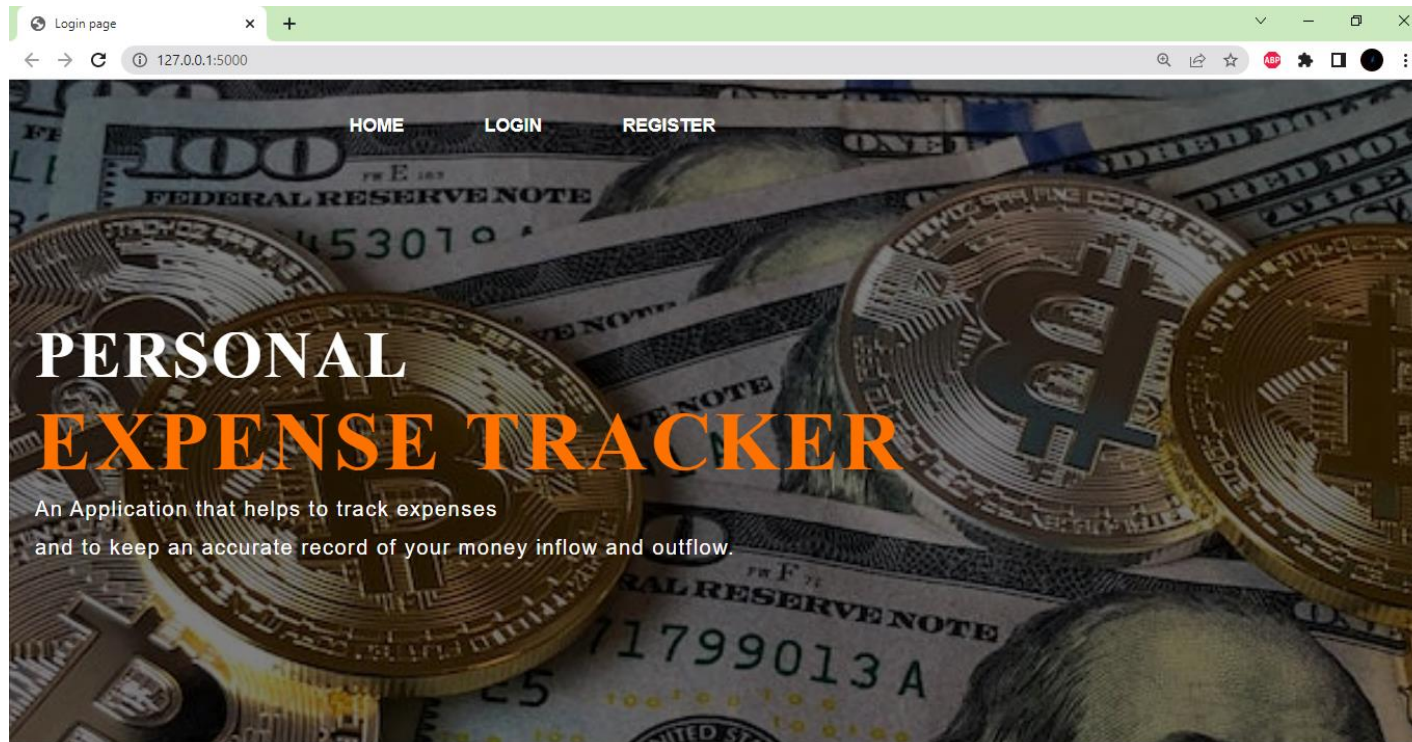


```
elif not re.match(r'[A-Za-z0-9]+', username):  
    msg = 'Username must contain only characters and numbers !'  
elif not username or not password or not username:  
    msg = 'Please fill out the form !'  
else:  
    insert_sql = "INSERT INTO accounts VALUES (?, ?, ?, ?, ?)"  
    stmt = ibm_db.prepare(conn, insert_sql)  
    ibm_db.bind_param(stmt, 1, username )  
    ibm_db.bind_param(stmt, 2, email )  
    ibm_db.bind_param(stmt, 3, password )  
    ibm_db.bind_param(stmt, 4, confirmpassword )  
    ibm_db.bind_param(stmt, 5, phonenumber )  
    ibm_db.execute(stmt)  
  
    msg = 'You have successfully registered !'  
elif request.method == 'POST':  
    msg = 'Please fill out the form !'  
  
return render_template('register.html', msg = msg)
```

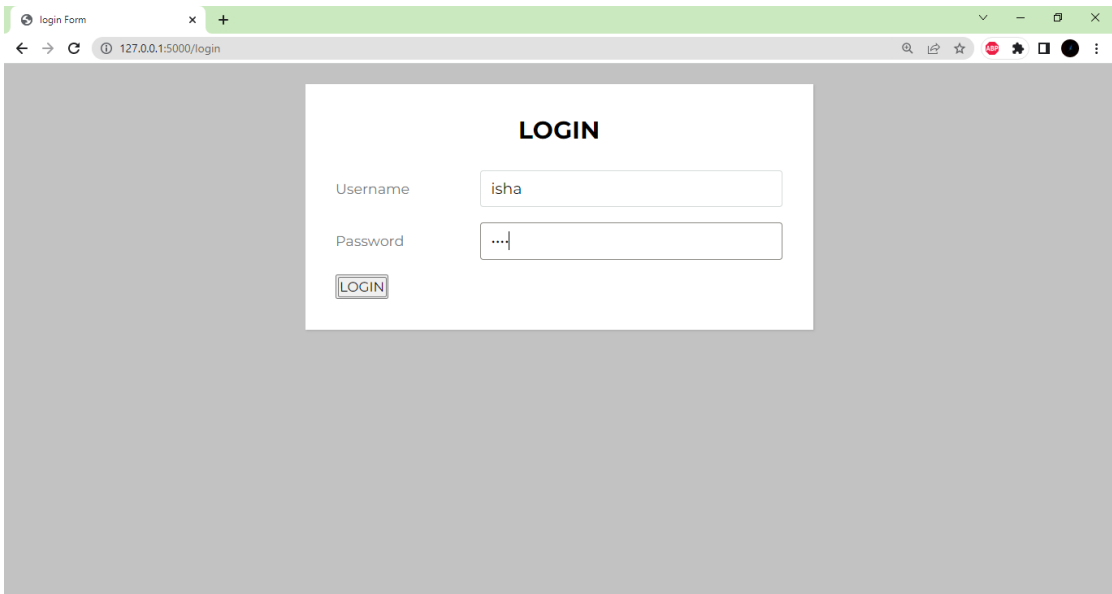
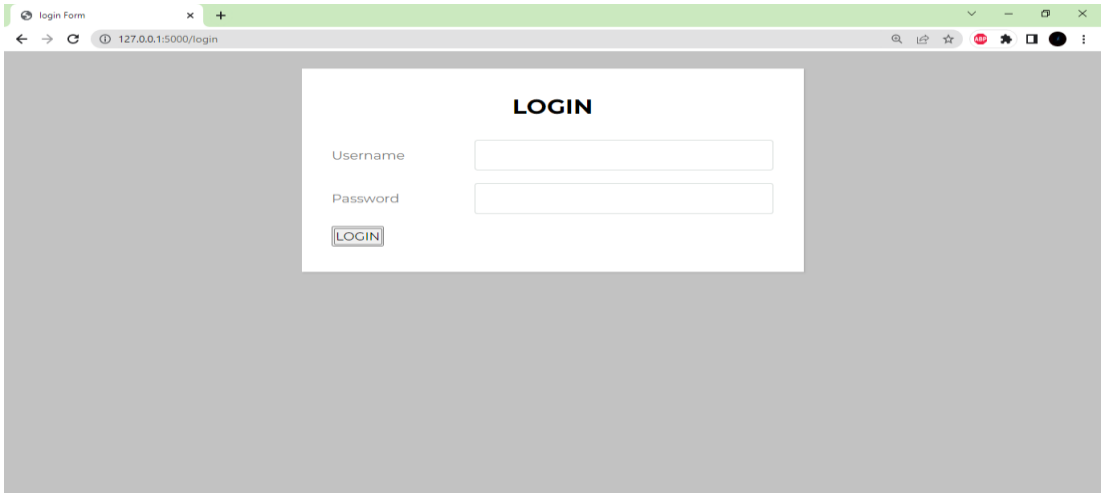
```
if __name__ == '__main__':  
    app.run(debug = True)
```

## OUTPUT:

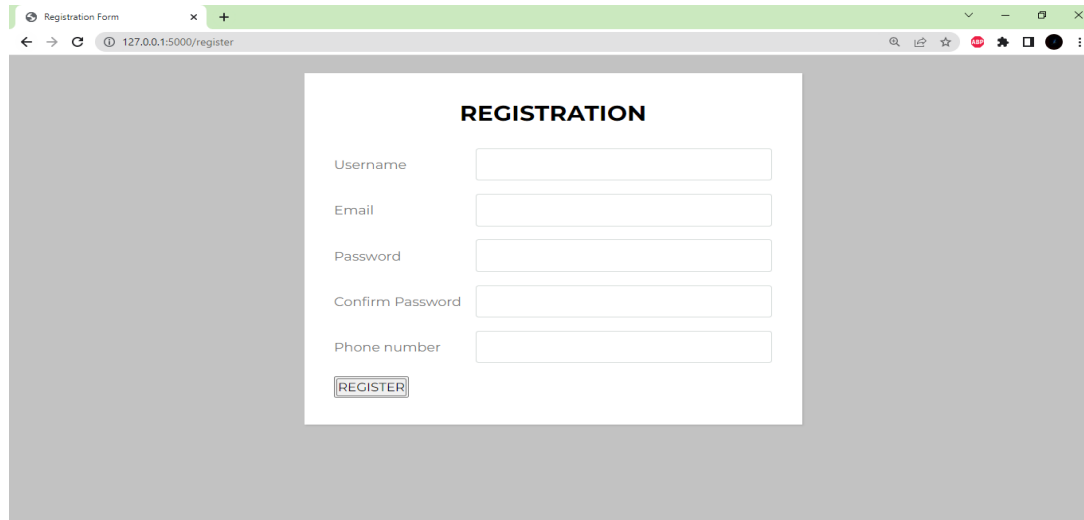
Index page:



LOGIN PAGE:



## REGISTRATION PAGE:



A screenshot of a web browser window with a single tab titled "Registration Form". The address bar shows "127.0.0.1:5000/register". The page content is a registration form titled "REGISTRATION" in bold. The form contains five input fields: "Username", "Email", "Password", "Confirm Password", and "Phone number". Below these fields is a "REGISTER" button. The form is centered on a light gray background.

**REGISTRATION**

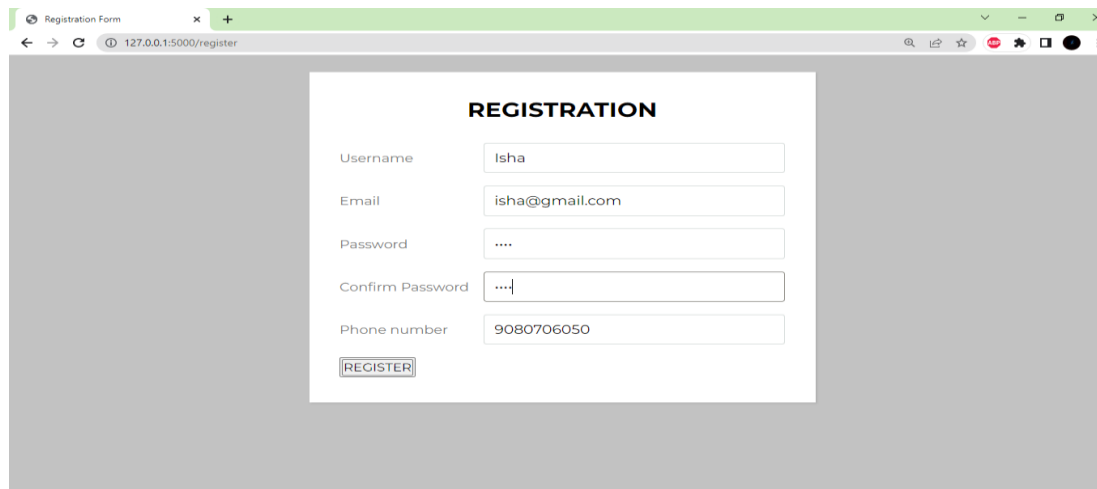
Username

Email

Password

Confirm Password

Phone number



A screenshot of a web browser window with a single tab titled "Registration Form". The address bar shows "127.0.0.1:5000/register". The page content is a registration form titled "REGISTRATION" in bold. The form contains five input fields: "Username", "Email", "Password", "Confirm Password", and "Phone number". Below these fields is a "REGISTER" button. The form is centered on a light gray background. The fields are filled with the following values: Username: "Isha", Email: "isha@gmail.com", Password: "....", Confirm Password: "....", and Phone number: "9080706050".

**REGISTRATION**

Username

Email

Password

Confirm Password

Phone number

IBM Db2 on Cloud

Load DataLoad HistoryTablesViewsIndexesAliasesMQTsSequencesApplication objects

SQL

PVW86690.ACCOUNTS

Back

Export to CSV

USERNAME	EMAIL	PASSWORD	CONFIRMPASSWORD	PHONENUMBER
Isha	isha@gmail.com	isha	isha	9080706050
veni	nathananand7@gmail.com	veni	veni	8972097190