

## PROJECT DEVELOPMENT PHASE

### DELIVERY SPRINT -1

Date	29October 2022
Team ID	PNT2022TMID18119
Project Name	Inventory management system for retailers
Maximum Marks	8 Marks

#### run.py

#### Creating Flask application:

```
import email

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=54a2f15b-5c0f-46df-8954-7e38e612c2bd.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=32733;Security=SSL;SSLSer
verCertificate=DigiCertGlobalRootCA.crt;UID=pym84828;PWD=dO5pMDCTkL3mSV58','')

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

def register():

    msg=" "

    if request.method=='POST':

        username=request.form.get('user')

        email=request.form.get('email')

        password=request.form.get('password')

        sql='select * from user 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!"
    return redirect(url_for('login'))

elif not re.match(r'^@+@[^@]+\.[^@]+',email):
    msg="invalid email address"

elif not re.match(r'[A-Za-z0-9]+',username):
    msg='name must contain only characters and numbers'

else:
    insert_sql='insert into user values(?,?,?)'
    prep_stmt=ibm_db.prepare(conn,insert_sql)
    ibm_db.bind_param(prepare_stmt,1,username)
    ibm_db.bind_param(prepare_stmt,2,email)
    ibm_db.bind_param(prepare_stmt,3,password)
    ibm_db.execute(prepare_stmt)
    #msg='you have succesfully logged in'
    msg='please fill out of the form'
    return redirect(url_for('login'))

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

@app.route('/login',methods=['GET','POST'])
def login():
    global userid
    msg=""

    if request.method=='POST':
        username=request.form.get('user')
        password=request.form.get('password')
        sql="select * from user where username=? and password=?"
        stmt=ibm_db.prepare(conn,sql)
        ibm_db.bind_param(stmt,1,username)
        ibm_db.bind_param(stmt,2,password)
        ibm_db.execute(stmt)

```

```

account=ibm_db.fetch_assoc(stmt)
print(account)
if account:
    session['Loggedin']=True
    session['id']=account['USERNAME']
    userid=account["USERNAME"]
    session['username']=account['USERNAME']
    msg='logged in succesfully'
    return render_template('dashboard.html',msg=msg,us=username)
else:
    msg='incorrect username password'
return render_template('login.html',msg=msg)

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

```

## TEMPLATES

login.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 And Registration Form</title>
    <style>
        *{
            margin: 0;
            padding: 0;
            font-family: sensitive;
        }

```

```
.first
{
    height:100%;
    width:100%;
    background-image:linear-gradient(rgba(0,0,0,0.4),rgba(0,0,0,0.4)),url('/static/background.jpg');
    background-position: center;
    background-size: cover;
    position: absolute;
}

.form-box{
    width:380px;
    height:480px;
    position:relative;
    margin:6% auto;
    background:#fff;
    padding:5px;
    overflow: hidden;
}

.button-box{
    width:220px;
    margin:35px auto;
    position:relative;
    box-shadow:0 0 20px 9px #ff61241f;
    border-radius:30px;
}

.toggle-btn{
    padding: 10px 30px;
    cursor:pointer;
    background:transparent;
    border: 0;
    outline:none;
```

```
    position:relative;
}
#btn
{
    top:0;
    left: 0;
    position: absolute;
    width: 110px;
    height: 100%;
    background: linear-gradient(to right,#ff105f,#ffad06);
    border-radius: 30px;
    transition: .5s;
}
.input-group{
    top: 180px;
    position: absolute;
    width: 280px;
    transition: .5s;
}
.input-field{
    width: 100%;
    padding: 10px 0;
    margin:5px 0;
    border-left: 0;
    border-right: 0;
    border-top: 0;
    border-bottom: 1px solid #999;
    outline:none;
    background:transparent;
}
.submit-btn
```

```
{
    width: 85%;
    padding: 10px 30px;
    cursor:pointer;
    display:block;
    margin:auto;
    background: linear-gradient(to right,#ff105f,#ffad06);
    outline:none;
    border-radius:30px;
}
.check-box
{
    margin: 30px 10px 30px 0;

}
span{
color:#777;
font-size:12px;
bottom:68px;
position:absolute;
}
#login
{
    left: 50px;
}
#register
{
    left:450px;
}
</style>
</head>
```

```

<body>
  <div class="first">
    <div class="form-box">
      <div class="button-box">
        <div id="btn"></div>
        <button type="button" class="toggle-btn" onclick="login()">Log In</button>
        <button type="button" class="toggle-btn" onclick="register()">Register</button>
      </div>
      <form action="{{url_for('login')}}" method="post" id="login" class="input-group" >
        <input type="text" class="input-field" placeholder="User Id" name="user" required>
        <input type="password" class="input-field" placeholder="Enter Password" name="password"
required>
        <input type="checkbox" class="check-box"><span>Remember Password</span>
        <button type="submit" class="submit-btn">Log in</button>
      </form>
      <form action="{{url_for('register')}}" method="post" id="register" class="input-group">
        <input type="text" class="input-field" placeholder="User Id" name="user" required>
        <input type="email" class="input-field" placeholder="Email Id" name="email" required>
        <input type="text" class="input-field" placeholder="Enter Password" name="password"
required>
        <input type="checkbox" class="check-box"><span>I agree to the terms & conditions</span>
        <button type="submit" class="submit-btn">Register</button>
      </form>
    </div>
  </div>
</div>
<script>
  var x=document.getElementById("login");
  var y=document.getElementById("register");
  var z=document.getElementById("btn");
  function register()
  {

```

```
        x.style.left="-400px";
        y.style.left="50px";
        z.style.left="110px";
    }
    function login()
    {
        x.style.left="50px";
        y.style.left="450px";
        z.style.left="0px";
    }
</script>
</body>
</html>
```

dashboard.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>Dashboard</title>
    <style>
        :root
    {
        --header-height: 3rem;
        --nav-width: 68px;
        --first-color: #4723D9;
        --first-color-light: #AFA5D9;
        --white-color: #F7F6FB;
        --body-font: 'Nunito', sans-serif;
```



```
--normal-font-size: 1rem;

--z-fixed: 100

}

*

{

  box-sizing: border-box

}

body

{

  position: relative;

  margin: 4rem 0 0 0 !important;

  padding: 0 1rem;

  font-family: var(--body-font);

  font-size: var(--normal-font-size);

  transition: .5s

}

a

{

  text-decoration: none

}

.header

{

  width: 100%;

  height: var(--header-height);

  position: fixed;

  top: 0;

  left: 0;

  display: flex;

  align-items: center;

  justify-content: space-between;

  padding: 0 1rem;
```

```
background-color: var(--white-color);
z-index: var(--z-fixed);
transition: .5s
}
.header_toggle
{
color: var(--first-color);
font-size: 1.5rem;cursor: pointer
}
.header_img
{
width: 35px;
height: 35px;
display: flex;
justify-content: center;
border-radius: 50%;
overflow: hidden
}
.header_img img
{
width: 40px
}
.l-navbar
{
position: fixed;
top: 0;left: -30%;
width: var(--nav-width);
height: 100vh;
background-color: #1b1c1e;
padding: .5rem 1rem 0 0;
transition: .5s;
```

```
    z-index: var(--z-fixed)
}

.nav
{
    height: 100%;
    display: flex;
    flex-direction: column;
    justify-content: space-between;
    overflow: hidden
}

.nav_logo,.nav_link
{
    display: grid;
    grid-template-columns: max-content max-content;
    align-items: center;
    column-gap: 1rem;
    padding: .5rem 0 .5rem 1.5rem
}

.nav_logo
{
    margin-bottom: 2rem
}

.nav_logo-icon
{
    font-size: 1.25rem;
    color: var(--white-color)
}

.nav_logo-name
{
    color: var(--white-color);
    font-weight: 700
}
```

```
}  
.nav_link  
{  
  position: relative;  
  color: var(--first-color-light);  
  margin-bottom: 1.5rem;  
  transition: .3s  
}  
.nav_link:hover  
{  
  color: var(--white-color)  
}  
.nav_icon  
{  
  font-size: 1.25rem  
}  
.show  
{  
  left: 0  
}  
.body-pd  
{  
  padding-left: calc(var(--nav-width) + 1rem)  
}  
.active  
{  
  color: var(--white-color)  
}  
.active::before  
{  
  content: ";
```

```
position: absolute;
left: 0;
width: 2px;
height: 32px;
background-color: var(--white-color)
}
.height-100
{
    height:100vh !important
}
@media screen and (min-width: 768px)
{
    body
    {
        margin: calc(var(--header-height) + 1rem) 0 0 0;
        padding-left: calc(var(--nav-width) + 2rem)
    }
    .header
    {
        height: calc(var(--header-height) + 1rem);
        padding: 0 2rem 0 calc(var(--nav-width) + 2rem)
    }
    .header_img
    {
        width: 40px;
        height: 40px
    }
    .header_img img
    {
        width: 45px
    }
}
```

```

.l-navbar
{
    left: 0;
    padding: 1rem 1rem 0 0
}

.show
{
    width: calc(var(--nav-width) + 156px)
}

.body-pd
{
    padding-left: calc(var(--nav-width) + 188px)
}

}

a
{
    text-decoration: none !important;
}

</style>

<link
    href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
    rel="stylesheet"
    integrity="sha384-
EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOMLASjC"
    crossorigin="anonymous"
/>

<link
    href="https://unpkg.com/boxicons@2.1.4/css/boxicons.min.css"
    rel="stylesheet"

```

```
    />
</head>
<body id="body-pd">
  <div>
    <header class="header" id="header">
      <div class="header_toggle">
        <i class="bx bx-menu" id="header-toggle"></i>
      </div>
      <h1 class="me-auto ms-1">Welcome to Inventory Management System</h1>
      <form class="form-floating">
        <div class="input-group">
          <input
            type="text"
            class="form-control"
            placeholder="Search a product"
            aria-label="Recipient's username"
            aria-describedby="basic-addon2"
          />
          <span class="input-group-text" id="basic-addon2">Enter</span>
        </div>
      </form>
    </header>
    <div class="l-navbar" id="nav-bar">
      <nav class="nav">
        <div>
          <a href="#" class="nav_logo">
            <i class="bx bx-layer nav_logo-icon"></i>
            <span class="nav_logo-name">Inventory Management System</span>
          </a>
          <div class="nav_list">
            <a href="#" class="nav_link active">
```

```
<i class="bx bx-grid-alt nav_icon"></i>
<span class="nav_name">Dashboard</span>
</a>

<a href="#" class="nav_link">

  <i class="bx bx-user nav_icon"></i>

  <span class="nav_name">User Management</span>

</a>

<a href="#" class="nav_link">

  <i class="bx bx-message-square-detail nav_icon"></i>

  <span class="nav_name">Manage Products</span>

</a>

<a href="#" class="nav_link">

  <i class="bx bx-bookmark nav_icon"></i>

  <span class="nav_name">Order</span>

</a>

<a href="#" class="nav_link">

  <i class="bx bx-folder nav_icon"></i>

  <span class="nav_name">Sales</span>

</a>

<a href="#" class="nav_link">

  <i class="bx bx-bar-chart-alt-2 nav_icon"></i>

  <span class="nav_name">Turn Over</span>

</a>
</div>

</div>

<a href="#" class="nav_link">

  <i class="bx bx-log-out nav_icon"></i>

  <span class="nav_name">SignOut</span>

</a>

</nav>

</div>
```



```

    <div class="height-100 bg-light">Hi User</div>
  </div>
  <script>
    document.addEventListener("DOMContentLoaded", function(event) {

const showNavbar = (toggleId, navId, bodyId, headerId) =>{
const toggle = document.getElementById(toggleId),
nav = document.getElementById(navId),
bodypd = document.getElementById(bodyId),
headerpd = document.getElementById(headerId)

if(toggle && nav && bodypd && headerpd){
toggle.addEventListener('click', ()=>{
nav.classList.toggle('show')
toggle.classList.toggle('bx-x')
bodypd.classList.toggle('body-pd')
headerpd.classList.toggle('body-pd')
})
}
}

showNavbar('header-toggle','nav-bar','body-pd','header')
const linkColor = document.querySelectorAll('.nav_link')

function colorLink(){
if(linkColor){
linkColor.forEach(l=> l.classList.remove('active'))
this.classList.add('active')
}
}

linkColor.forEach(l=> l.addEventListener('click', colorLink))
});

```

</script>

<script src="https://unpkg.com/boxicons@2.1.4/dist/boxicons.js"></script>

</body>

</html>