

Date	29-October 2022
Team Id	PNT2022TMID45765
Project Name	Inventory Management System for Retailers
Batch No	B03

PROJECT DEVELOPMENT PHASE-SPRINT 1

Login.html

```
<{% extends 'base.html' %}
```

```
{% block head %}
```

```
    <title>Login</title>
```

```
{% endblock %}
```

```
{% block body %}
```

```
{{ msg }}
```

```
    <style>
```

```
        .divider::after,
```

```
.divider:before {      content:
```

```
"";      flex:
```

```
1;    height: 1px;    background:
```

```
#eee;
```

```
}
```

```
.h-custom {    height:
```

```
calc(100% - 73px);
```

```
}
```

```
@media (max-width: 450px) {
```

```
.h-custom {    height:
```

```
100%;
```

```
}
```

```
}
```

```
.hlink{    textdecoration:
```

```
none;
```

```
}
```

```
</style>
```

```
<section class="vh-100">
```

```
<div class="container-fluid h-custom">
```

```
<div class="row d-flex justify-content-center align-items-center h-100">
```

```
<div class="col-md-9 col-lg-6 col-xl-5">
  
  class="img-fluid"

</div>

<div class="col-md-8 col-lg-6 col-xl-4 offset-xl-1">
  <form class="mx-1 mx-md-4" action="{{ url_for('login') }}" method="post">
    <div class="d-flex align-items-center mb-3 pb-1">
      <span class="h1 fw-bold mb-0">Login</span>
    </div>
    <!-- Email input -->
    <div class="form-outline mb-4">
      <input type="email" name="email" value="" placeholder="Email ID" class="form-control" />
    </div>
    <!-- Password input -->
    <div class="form-outline mb-3">
      <input type="password" name="password" value="" placeholder="Password" class="form-control" />
    </div>
    <div class="text-center text-lg-start mt-4 pt-2">
      <input type="submit" class="btn btn-primary btn-lg" style="width: 125px; display: block; margin-left: auto; margin-right:
auto;">
```

```
</div>

<p class="support-p" style="margin-top: 10px;">Don't have an Account?

  <a href="/register" style="color: rgb(0, 0, 0); text-decoration: none;"><strong style="font-size:
large;">Register</strong></a>

</p>
</form>
</div>
</div>
</div>
</section>

{% endblock %}
```

mystyle.css

```
.right {  display:
block;   float:
right;   color:
blue;

}
```

```
.bg { background-image: url('pexels-francesco-
ungaro281260.jpg'); background-position: center;
backgroundrepeat: no-repeat; background-size: cover;

}
```

DASHBOARD

Users.html

```
{% extends 'dashboard/base.html' %}

{% block head %}

<title>Dashboard</title>

<style>

.container

{ padding: 20px;
border: 2px 5px 5px 5px;
border-color: #ffffff;
border-width: 5px; border-
style: solid; textalign:
center; borderradius: 15px;
boxshadow: 1px 1px 10px 5px
```



```
<div class="container">

  <a href="/productlist" style="text-decoration: none; color: black">

    <div class="box-topic">Products List

    </div></a>

    <a href="/productlist" style="text-decoration: none; color: black">

      

      </a>

    </div>

  </div>

</div>

<div class="col-lg-6 col-md-6 col-12 p-1">

  <div class="catagories_item">

    <div class="container">

      <a href="/addproduct" style="text-decoration: none; color: black">

        <div class="box-topic">Add Products

        </div></a>

        <a href="/addproduct" style="text-decoration: none; color: black">

          

          </a>

        </div>

      </div>

    </div>

  </div>

</div>
```

</div>

</div>

</div>

</div>

<div class="col-lg-6">

<div class="row">

<div class="col-lg-6 col-md-6 col-12 p-1">

<div class="catagories_item">

<div class="container">

<div class="box-topic">Products Movement

</div>

</div>

</div>

</div>

<div class="col-lg-6 col-md-6 col-12 p-1">

<div class="catagories_item">


```
<div class="container">
```

```
  <a href="/report" style="text-decoration: none; color: black">
```

```
    <div class="box-topic">Product Report
```

```
  </div></a>
```

```
  <a href="/report" style="text-decoration: none; color: black">
```

```
    
```

```
  </a>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</section>
```

```
</div>
```

```
</div>
```

```
{{msg}}
```

```
{ % endblock % }
```

special.html

```
{% extends 'dashboard/base.html' %}
```

```
{% block head %}
```

<title>List of Users</title>

```
{ % endblock % }
```

{ % block body % }

```
<link href="//maxcdn.bootstrapcdn.com/bootstrap/3.3.0/css/bootstrap.min.css" rel="stylesheet" id="bootstrap-css">
```

<div> </div>

```
<div class="home-content">
```

```
<div class="overview-boxes">
```

<section class="catogories" >

<div class="container-fluid">

<div class="row">

<div class="col-lg-6">

<div class="row">

```
<div class="catagories_item">
```

</div>

</div>

<div class="col-lg-6 p-0" style=" margin-top: 25px;">

<div class="catagories_item">

<div class="catagories_item catagories_large_item" >

</div>

</div>

</div>

<div class="col-lg-6 col-md-6 col-12 p-1">

<div class="catagories_item">

</div>

</div>

<div class="col-lg-6 col-md-6 col-12 p-1">

<div class="catagories_item">

</div>

</div>

</div>

</div>

<div class="container register-form">

```
<div class="form">

  <div class="d-flex align-items-center mb-3 pb-1">

    {{ msg }}

    <span class="h1 fw-bold mb-0">Product List</span>

  </div>

  <table class="table table-hover">

    <thead>

      <tr>

        <th>ID</th>

        <th>PRODUCT NAME</th>

        <th>QUANTITY</th>

        <th>DATE</th>

      </tr>

    </thead>

    {% for row in products %}

      <tr>

        <td>{{ row["ID"] }}</td>

        <td>{{ row["PRODUCTNAME"] }}</td>

        <td>{{ row["QUANTITY"] }}</td>

        <td>{{ row["DATE"] }}</td>
```

```
{% endfor %}
```

</div>

</div>

</div>

</div>

</section>

```
{% endblock %}
```

app.py

```
from turtle import st
from flask import Flask, render_template, request,
```

```
redirect, url_for, session from markupsafe import escape import ibm_db
```

```
conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=54a2f15b-5c0f-46df-8954-7e38e612c2bd.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=32733;SECURITY=SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=lkc93724;PWD=zAzNGa6DaNk6xvle",",") import smtplib, ssl ## email.mime subclasses from email.mime.multipart import MIMEMultipart from email.mime.text import MIMEText
```

```
## The pandas library is only for generating the current date, which is not necessary for sending emails import
```

```
pandas as pd app = Flask(__name__)
```

```

var_list = [] app.secret_key =
'your secret key'
@app.route('/') def home():
if not session.get("name"):

    return render_template('home.html') return
render_template('home.html', session = session)
@app.route('/register') def new_student():

    return render_template('Register.html')
@app.route('/addrec',methods = ['POST', 'GET']) def
addrec():    if request.method == 'POST':        fname =
request.form['fname']        lname = request.form['lname']
cname = request.form['cname']        state =
request.form['state']        city = request.form['city']
mobilenos = request.form['mobilenos']        emailid =
request.form['emailid']        password =
request.form['password']        pincode =
request.form['pincode']    sql = "SELECT * FROM Users
WHERE EMAILID =?"

```

```

    stmt      =      ibm_db.prepare(conn,      sql)
ibm_db.bind_param(stmt,1,emailid)
ibm_db.execute(stmt)          account      =
ibm_db.fetch_assoc(stmt) if account:      users = []
sql = "SELECT * FROM Users"          stmt =
ibm_db.exec_immediate(conn, sql)      dictionary
= ibm_db.fetch_both(stmt)      while dictionary !=
False:

    # print ("The Name is : ", dictionary)      users.append(dictionary)      dictionary = ibm_db.fetch_both(stmt)
return render_template('list.html', msg="You are already a member, please login using your details", users = users)      else:

    var_list.append(fname)
var_list.append(lname)      var_list.append(cname)

var_list.append(state)      var_list.append(city)
var_list.append(mobileno)      var_list.append(emailid)
var_list.append(password)
var_list.append(pincodes)

    bodytemp = r'D:\IBM\GUIDED PROJECT\INVENTORY MANAGEMENT SYSTEM FOR RETAILERS\templates\email.html'
with open(bodytemp, "r", encoding='utf-8') as f:      html= f.read()

```

Set up the email addresses and password. Please replace below with your email address and password

```
email_from = 'padhu10a@gmail.com'    epassword = 'rbjibzkssszsbrjo'    email_to = emailid
```

Generate today's date to be included in the email Subject date_str

```
= pd.Timestamp.today().strftime('%Y-%m-%d')
```

Create a MIMEMultipart class, and set up the From, To, Subject fields email_message

```
= MIMEMultipart()    email_message['From'] = email_from    email_message['To'] =
```

```
email_to    email_message['Subject'] = f'Report email - {date_str}'
```

Attach the html doc defined earlier, as a MIMEText html content type to the MIME message

```
email_message.attach(MIMEText(html, "html"))
```

Convert it as a string email_string = email_message.as_string()

Connect to the Gmail SMTP server and Send Email context =

```
ssl.create_default_context()    with smtplib.SMTP_SSL("smtp.gmail.com", 465,
```

```
context=context) as server:
```

```
    server.login(email_from, epassword)
```

```
server.sendmail(email_from, email_to, email_string)    return render_template('notify.html')
```

```
@app.route('/confirm') def confirmation():
```



```
insert_sql = "INSERT INTO Users (FIRSTNAME, LASTNAME, COMPANYNAME, STATE, CITY, MOBILENO, EMAILID,
PASSWORD, PINCODE) VALUES (?, ?, ?, ?, ?, ?, ?, ?)" prep_stmt = ibm_db.prepare(conn, insert_sql)
```

```
ibm_db.bind_param(prepare_stmt, 1, var_list[0]) ibm_db.bind_param(prepare_stmt, 2, var_list[1]) ibm_db.bind_param(prepare_stmt, 3,
var_list[2]) ibm_db.bind_param(prepare_stmt, 4, var_list[3]) ibm_db.bind_param(prepare_stmt, 5, var_list[4])
```

```
ibm_db.bind_param(prepare_stmt, 6, var_list[5]) ibm_db.bind_param(prepare_stmt, 7, var_list[6]) ibm_db.bind_param(prepare_stmt, 8,
var_list[7]) ibm_db.bind_param(prepare_stmt, 9, var_list[8]) ibm_db.execute(prepare_stmt) return render_template('confirm.html')
```

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

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

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

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

```
sql = "SELECT * FROM Users WHERE EMAILID =? AND PASSWORD =?"
```

```
stmt = ibm_db.prepare(conn, sql) ibm_db.bind_param(stmt,1,email)
```

```
ibm_db.bind_param(stmt,2,password) ibm_db.execute(stmt) account =
```

```
ibm_db.fetch_assoc(stmt) if account:
```

```
session['loggedin'] = True session['id'] =
```

```
account['ID'] session['email'] = account['EMAILID']
```

```
session['name'] = account['FIRSTNAME'] msg =
```

```
'Logged in successfully !' return
```

```

render_template('home.html', msg = msg)
else:
    msg = 'Incorrect email / password !'    return
render_template('login.html', msg = msg)

@app.route('/logout') def
logout():

    session.pop('loggedin', None)
session.pop('id', None)
session.pop('email', None)
session.pop('name', None)    return
redirect(url_for('home'))

@app.route('/list') def list():

users = []

    sql = "SELECT * FROM Users"    stmt =
ibm_db.exec_immediate(conn, sql)
dictionary = ibm_db.fetch_both(stmt)    while
dictionary != False:    # print ("The Name is
: ", dictionary)    users.append(dictionary)

```

```
dictionary = ibm_db.fetch_both(stmt) if
```

```
users:
```

```
    return render_template("list.html", users = users , session = session) return
```

```
"No users..."
```