

Personal Expense Tracker Application
FINAL CODE

Team ID	PNT2022TMID28216
Project Name	Personal Expense Tracker Application
Team members	DENISHA PRIYA.G HARSHINI SA HYNIE CATHERINE E GANGA G



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IN
ELECTRONICS AND COMMUNICATION ENGINEERING
St.JOSEPH'S INSTITUTE OF TECHNOLOGY
CHENNAI.

SOURCE CODE:

```
<!doctype html>
<html lang="en">
  <head>
    <!-- Required meta tags -->
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">

    <!-- Bootstrap CSS -->
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.cs
s" rel="stylesheet" integrity="sha384-
EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTWfFspd3yD65VohhpuuCOmL
ASjC" crossorigin="anonymous">

    <title>Login</title>

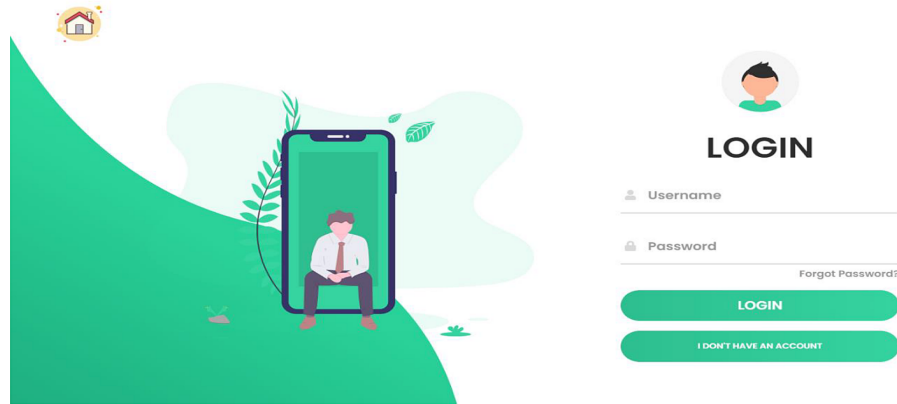
  </head>
  <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.
bundle.min.js" integrity="sha384-
MrcW6ZMFYlzcLA8NI+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcX
n/tWtIaxVXM" crossorigin="anonymous"></script>

  <body style="background-image: url(bg\ image.jpg);">
    <div class="container mt-5">
      <h1 style="color: rgb(251, 10, 10); text-align: center;">
        Personal Expense Tracker 
      </h1>
      <div class="container mt-1" style="width:600px; height: 300px;" >
        <h4>{{ msg }}</h4>
        <div class="card shadow-lg bg-white rounded">
          <div class="card-header" style="text-align:center;">
```

```
<h4>Login</h4>
</div>
<div class="card-body">
  <form action="/login" method="POST">
    <div class="mb-3">
      <label for="email" class="form-label">Email: </label>
      <input type="email" class="form-control"
name="email" id="email" placeholder="bala@gmail.com">
    </div>
    <div class="mb-3">
      <label for="passowrd" class="form-label">Password: </label>
      <input type="password" class="form-control"
name="password" id="password"></input>
    </div>
    <button type="submit" style="background-color:#00ada1;
border-color:#00AD83; border-radius:5px;">Login</button>
  </form>
</div>
<div class="card-footer text-muted" style="text-align:center">
  New user? <span><a href="registration.html">Register Here</a></span>
</div>
</div>
</div>
</body>
</html>
```

OUTPUT:

LOGIN PAGE



```
<!doctype html>
```

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

```
<head>
```

```
<!-- Required meta tags -->
```

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

```
<meta name="viewport" content="width=device-width, initial-scale=1">
```

```
<!-- Bootstrap CSS -->
```

```
<link
```

```
href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-
```

```
EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLAsjC" crossorigin="anonymous">
```

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

```
</head>
```

```
<script
```

src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min

.js" integrity="sha384-

MrcW6ZMFYIzcLA8NI+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+Jc

Xn/t WtlaxVXM" crossorigin="anonymous"></script>

<body style="background-color:#B2D3C2">

<div class="container mt-3">

<h1 style="color: black; text-align: center;">

Personal Expense Tracker

</h1>

<div class="container mt-5" style="width: 600px;">

<div class="card shadow-lg bg-white rounded">

<div class="card-header" style="text-align: center;">

<h4>Login</h4>

</div>

<div class="card-body">

<form action="/login" method="POST">

<div class="mb-3">

<label for="email" class="form-label">Email: </label>

<input type="email" class="form-control"

name="email" id="email" placeholder="abc@gmail.com">

</div>

<div class="mb-3">

<label for="password" class="form-label">Password: </label>

<input type="password"

class="form-control"

name="password" id="password"></input>

```
        </div>
        <button type="submit"
style="background- color:#00AD83; border-
color:#00AD83; border-
radius:5px;">Login</button>

    </form>
</div>

<div class="card-footer text-muted" style="text-align:center">

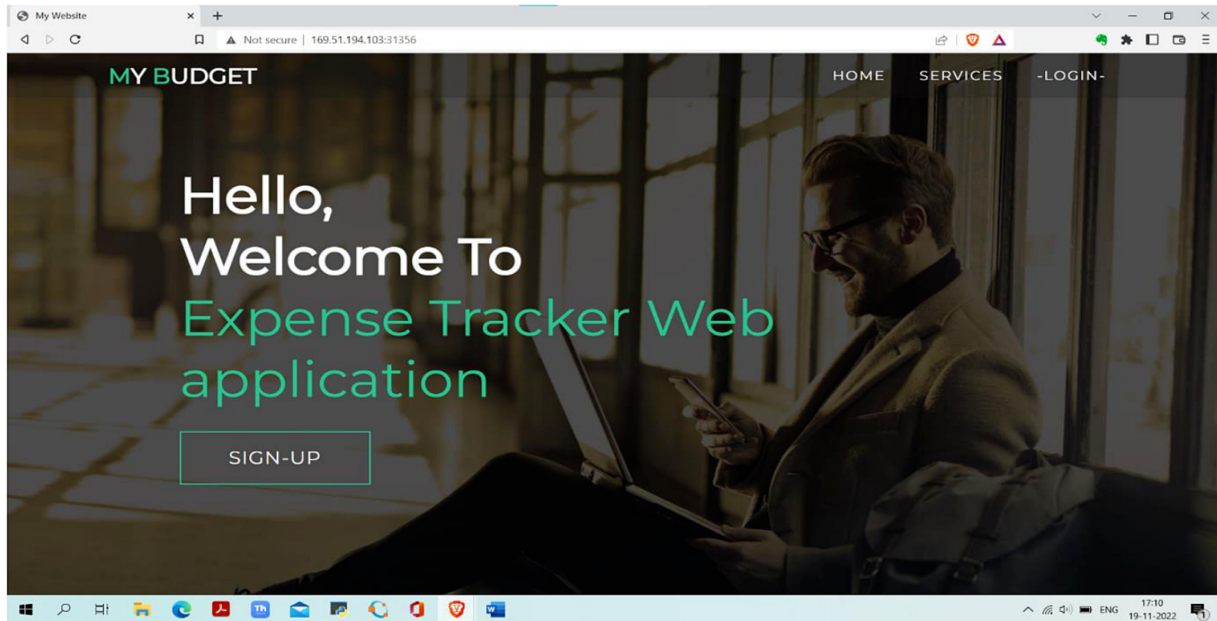
    New user? <span><a
href="registration.html">Register
Here</a></span>

</div>
</div>

</div>

</body>
</html>
```

OUTPUT:



ADD EXPENSE PAGE

```
!doctype html>
```

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

```
<head>
```

```
<!-- Required meta tags -->
```

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

```
<meta name="viewport" content="width=device-width, initial-scale=1">
```

```
<!-- Bootstrap CSS -->
```

```
<link
```

```
href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min  
_css" rel="stylesheet" integrity="sha384-
```

```
EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuC  
OmLA SJC" crossorigin="anonymous">
```

```
<title>AddExpense</title>
```

```
</head>
```

```
<script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bu
ndle.min
.js"integrity="sha384-
MrcW6ZMFYIzcLA8NI+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+Jc
Xn/
tWtlaxVXM"crossorigin="anonymous"></script>
```

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

  <div class="row flex-nowrap">
    <div class="col-auto col-md-3 col-xl-2 px-
sm-2 px-0" style="background-color:#B2D3C2">

      <div class="d-flex flex-column align-items-center align-
items-sm- start px-3 pt-2min-vh-100" style="color:black">

        <p class="d-flex align-items-center pb-3 mb-md-0 me-
md-auto text-white text-decoration-none">

          <span class="fs-5 d-none d-sm-inline"
style="color:black; font-weight:bold;">Personal Expense
Tracker</span>

          
        </p>

        <ul class="nav nav-pills flex-column mb-sm-auto mb-0
align-items- center align-items-sm-start" id="menu">

          <li class="nav-item mt-2">
            <a href="dashboard.html" class="nav-link align-middle
px-0" style="color:black;">

              <span class="ms-1 d-none d-sm-
inline">Home</span>

            </a>
```



```

        </li>
        <li class="nav-item mt-2" style="background-
color:#00AD83; height: 50px;width: 150px; border-radius: 5px;" >

            <a href="addexpense.html"
class="nav-link px-0 align-middle"style="color:black;">

                <span class="ms-1 d-none d-sm-inline">Add Expense</span>

            </a>

        </li>
        <li class="nav-item mt-2">
            <a href="modifyexpense.html" class="nav-link px-0 align-middle"
style="color:black;">

                <span class="ms-1 d-none d-sm-inline">Modify
Expense</span><imgsrc="edit_icon.svg"
style="width:20px;height:20px;margin- left: 5px;">

            </a>

        </li>
        <li class="nav-item mt-2">

            <a href="analysis.html"
class="nav-link px-0 align-
middle"style="color:black;">

                <span class="ms-1 d-none d-sm-inline">View
Analysis</span><imgsrc="graph.png" style="width:20px;height:20px;margin-
left: 5px;">

            </a>

        </li>
        <li class="nav-item mt-2">
            <a href="rewards.html" class="nav-link px-0 align-
middle" style="color:black;">

```

```

        <span class="ms-1 d-none d-sm-inline">Rewards &
Goals</span><imgsrc="reward.png"
style="width:20px;height:20px;margin-left: 5px;">
        </a>
    </li>
</ul>
</div>

</div>

<div class="col py-3" style="background-color:black">
    <h3 style="color:white; text-align: center;">Add expense</h3>

<div class="container mt-3" style="width: 600px;">
    <div class="card shadow-lg bg-white rounded">
        <div class="card-header" style="text-align: center;">
            <span style="display:inline-flex"><h4>Expense
Made</h4><imgsrc="pay.png" style=" margin-left:10px;
width:30px; height:30px"></span>
        </div>

        <div class="card-body">
            <form>
                <div class="mb-3">
                    <label for="amountspent" class="form-label">Amount Spent: (Rs)
</label>
                    <input type="number" class="form-control" name="amountspent"
id="amountspent" placeholder="100.00">
                </div>
                <div class="mb-3">
                    <label for="expensecategory" class="form-
label">Expense Category:
</label>
                    <input type="text" class="form-control" name="expensecategory"

```

```
id="expensecategory"></input>

</div>

<div class="mb-3">

  <label for="date" class="form-label">Date of Expense: </label>
  <input type="date" class="form-control" name="date"
id="date"></input>

</div>
```

```
</label>

<div class="mb-3">
  <label for="description" class="form-label">Description of
  Expense:

  <input type="text" class="form-control" name="description"
  id="description"></input>
</div>

</form>
```

```

  </div>
  <div class="card-footer text-muted" style="text-align:center">

    <button type="submit" style="background-
color:#00AD83; border-color:#00AD83; border-
radius:5px;">Submit Expense</button>

  </div>

</div>

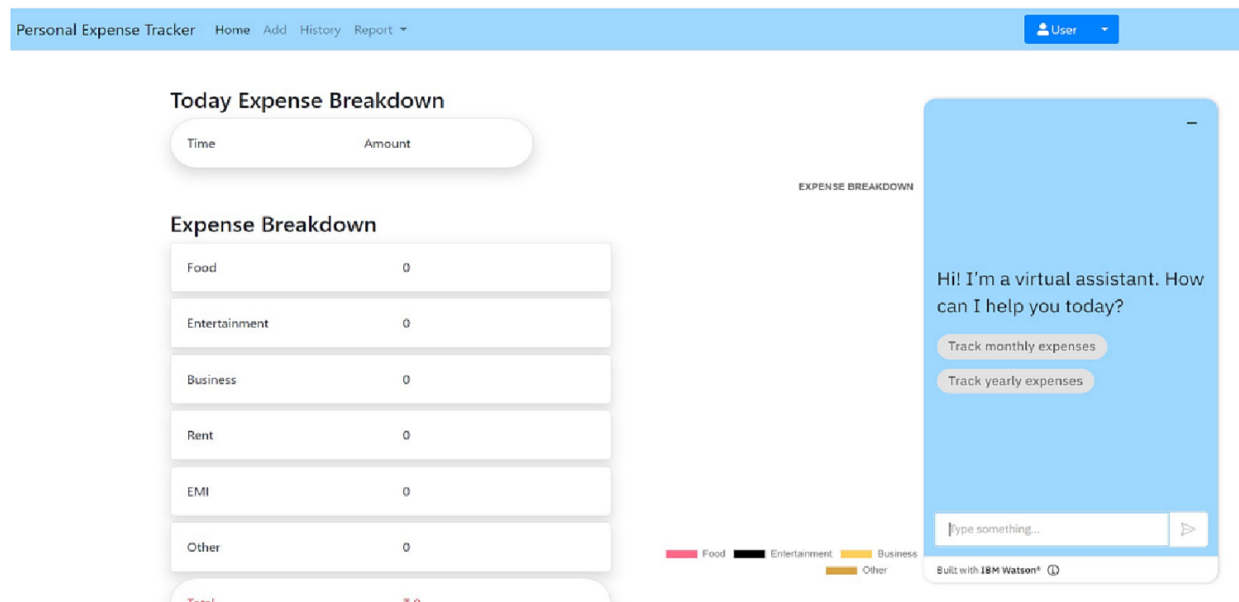
</div>

</div>

</div>
</div>
```

</html>

OUTPUT:



The python code to Connect with DB

```
import
ibm_db
dictionary ={}

def printTableData(conn):
```

```

sql = "SELECT * FROM
userdetails" out =
ibm_db.exec_imme
diate(conn,
sql)document =
ibm_db.fetch_asso
c(out) while
document != False:
dictionary.update({document['USERNAME']:
documen
t['PASSWORD']})
document =
ibm_db.fetch_as
soc(out)def
insertTableData(conn,rollno,username,email,pass
word): sql="INSERT INTO
userdetails(rollno,username,email,password)
VALUES
({},{}','{}','{}').format(rollno,username,ema
il,password) out =
ibm_db.exec_immediate(conn,sql)
print('Number of affected rows :

```

```

        ,ibm_db.num_rows(out),"\\n")def
updateTableData(conn,rollno,username,em
ail,password):
    sql = "UPDATE userdetails SET (username,email,password)=('{}','{}','{}')
    WHERErollno={}".format(username,email,password,rolln o)
    out = ibm_db.exec_immediate(conn, sql)
    print('Number of affected rows : ',
    ibm_db.num_rows(out), "\\n")def
deleteTableData(conn,rollno):
    sql = "DELETE FROM userdetails WHERE rollno={}".format(rollno)
    out = ibm_db.exec_immediate(conn, sql) print('Number of affected rows : ',
    ibm_db.num_rows(out), "\\n")
try:
    conn=ibm_db.connect("DATABASE=bludb;HOSTNAME=2f3279a5-73d1- 4859-88f0-
    a6c3e6b4b907.c3n41cmd0nqnrk39u98g.databases.appdomain.cloud;PORT=30
    756;Security=
    SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=ctb99199;PWD=
    GybYxLw1rHz86oSh;","","")
    print("Db
    connected")
except:
    print("Error")
from flask import
Flask,render_template,request,url_for,session app=Flask(
name )

```

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

```
@app.route("/login",methods=['POS
```

```
T','GET'])def login():
```

```
if request.method=="POST":
```

```
printTableData(conn)
```

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

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

```
try: if dictionary[username] == password and username in dictionary:
```