IMPLEMENTATION PHASE

TEAM NO:PNT2022TMID12589

SOURCE CODE:

TEMPLATES:

LOGIN PAGE:

```html
<html>
  <head>
    <title>LOGIN</title>

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

    <meta charset="utf-8" />

    <link
      rel="stylesheet"
      type="text/css"
      href="{{ url_for('static', filename='pages.css') }}"
    />

    <link
      rel="stylesheet"
      href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css"
    />

    <script src="https://unpkg.com/@lottiefiles/lottie-player@latest/dist/lottie-player.js"></script>

    <link
      rel="stylesheet"
      href="https://use.fontawesome.com/releases/v5.15.1/css/all.css"
```

```html
      integrity="sha384-
vp86vTRFVJgpjF9jilGPEEqYqlDwgyBgEF109VFjmqGmIY/Y4HV4d3Gp2irVfcrp"
      crossorigin="anonymous"
    />

  </head>

  <body class="body">
    <div class="on-screen">
      <div class="form">
        <form action="/login" class="innercont" method="POST">
          <br />

          <button
            style="width: 290px;margin-bottom: 24px;"
            type="button"
            onclick="window.location.href='/signup'"
          >
            CREATE AN ACCOUNT</button
          ><br />
          <input
            name="username"
            type="text"
            placeholder="&#xf007;  Username"
            required
          />

          <input
            name="password"
            type="password"
            id="password"
            placeholder="&#xf023;  Password"
            required
          /><br />

          <i class="fas fa-eye" onclick="show()"></i><br />

          <h4>{{msg}}</h4>
          <br />

          <button style="width: 135px" type="submit">LOGIN</button>

          <p class="message"></p>
        </form>
      </div>
    </div>
```

```
    <script>
     function show() {
       var password = document.getElementById("password");
       var icon = document.querySelector(".fas");
       if (password.type === "password") {
         password.type = "text";
       } else {
         password.type = "password";
       }
     }
    </script>
  </body>
</html>
```

NEWACCOUNT:

```
  <html>

 <head>

  <title>NEW ACCOUNT</title>

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

  <meta charset="utf-8">

  <link rel="stylesheet" type="text/css" href="{{ url_for('static', filename='pages.css') }}">
  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.min.css">

  <script src="https://unpkg.com/@lottiefiles/lottie-player@latest/dist/lottie-
player.js"></script>

  <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.15.1/css/all.css"
integrity="sha384-
vp86vTRFVJgpjF9jiIGPEEqYqlDwgyBgEF109VFjmqGmIY/Y4HV4d3Gp2irVfcrp"
crossorigin="anonymous">

 </head>

 <body class="body">

 <div class="on-screen">
```

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

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

        <lottie-player src="https://assets2.lottiefiles.com/private_files/lf30_3ghvm6sn.json"
speed="1"  style="justify-content: center;" loop  autoplay></lottie-player><br>

        <center><h4>Your account has been successfully registered and the login credentials
were shared with you to the registered email address.</h4><br><center>

        <input name="username" type="text" placeholder="&#xf007;  Username" required />

        <input name="password" type="password" id="password" placeholder="&#xf023;
Password" required/><br>

        <i class="fas fa-eye" onclick="show()"></i><br><br>

        <button type="submit">LOGIN</button>

        <p class="message"></p>

      </form>

    </div>

  </div>

  <script>

    function show()
    {
      var password = document.getElementById("password");
      var icon = document.querySelector(".fas")
      if(password.type === "password")
      {
        password.type = "text";
      }
      else
      {
        password.type = "password";
      }
    };

  </script>

  </body>
```

```
</html>
```

NEWS:

```
 html>
<head>
 <meta charset="UTF-8" />

 <title>CAD-NEWSTRACKER</title>

 <link
   rel="stylesheet"
   type="text/css"
   href="{{ url_for('static', filename='news.css') }}"
 />

 <link rel="preconnect" href="https://fonts.googleapis.com" />

 <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin />

 <script src="https://unpkg.com/@lottiefiles/lottie-player@latest/dist/lottie-
player.js"></script>

 <link

href="https://fonts.googleapis.com/css2?family=Cormorant+Garamond:ital,wght@1,700&d
isplay=swap"
   rel="stylesheet"
 />

 <link
   href="https://fonts.googleapis.com/css2?family=Crimson+Text&display=swap"
   rel="stylesheet"
 />
</head>

<body>
 <div class="form">
  <form>
   <br /><br />
   <div class="btncont">
    <button style="margin-right: -2%" type="button">
     NEWSTRACKER APP
    </button>

    <button
```

```
        style="margin-left: 40%"
        type="button"
        onclick="window.location.href='/logout'"
      >
        LOGOUT
      </button>

      <button type="button" onclick="window.location.href='/dashboard'">
        DASHBOARD
      </button>
    </div>
  </form>
</div>

<br /><br /><br /><br />

{% for news, author,publishedAt, desc,img,content,url in context %}

<br />
<div class="cont">


  <center><h1>{{news}}</h1></center>

  <img style="height: 464px; width: 100%" src="{{img}}" alt="" /><br />

  <h2>Published Time: {{publishedAt}}</h2>

  <h2>Author: {{author}}</h2>
  <br />

  <h3>Description: {{desc}}</h3>
  <br />

  <h3>
    Content: {{content}}<a href="{{url}}" target="blank">Read More...</a>
  </h3>
  <br />
</div>
{% endfor %}
</body>
</html>
```

SIGNUP:

```
<html>
```

```html
<head>

  <title>SIGN UP</title>

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

  <meta charset="utf-8" />

  <link rel="stylesheet" type="text/css" href="{{ url_for('static', filename='pages.css') }}" />

  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css"/>

  <script src="https://unpkg.com/@lottiefiles/lottie-player@latest/dist/lottie-player.js"></script>

  <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.15.1/css/all.css" integrity="sha384-vp86vTRFVJgpjF9jiIGPEEqYqlDwgyBgEF109VFjmqGmIY/Y4HV4d3Gp2irVfcrp" crossorigin="anonymous">

</head>

<body class="body">

  <div class="on-screen">

   <div class="form">

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

      <input type="text" name="fullname" placeholder="Full Name" required/>

      <input type="email" name="email" placeholder="Email address" required/>

      <input type="text" name="username" placeholder="Username" required/>

      <input type="password" name="password" id="password" placeholder="Set a password" required/><br>

      <i class="fas fa-eye" onclick="show()"></i><br>

      <h4>{{msg}}</h4><br>

      <button style="width:135px" type="submit">SUBMIT</button>
```

```html
        <button style="width:135px" type="button"
onclick="window.location.href='/'">LOGIN</button>

      </form>

    </div>

   </div>

  </body>

  <script>

   function show()
   {
     var password = document.getElementById("password");
     var icon = document.querySelector(".fas");
     if (password.type === "password")
     {
       password.type = "text";
     }
     else
     {
       password.type = "password";
     }
   }

  </script>

</html>
```

DASHBOARD:

```html
<html>

 <head>

  <title>DASHBOARD</title>

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

  <meta charset="utf-8">

  <link rel="stylesheet" type="text/css" href="{{ url_for('static', filename='dashboard.css')
}}">
```

```html
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.min.css">

    <script src="https://unpkg.com/@lottiefiles/lottie-player@latest/dist/lottie-
player.js"></script>

    <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.15.1/css/all.css"
integrity="sha384-
vp86vTRFVJgpjF9jiIGPEEqYqlDwgyBgEF109VFjmqGmIY/Y4HV4d3Gp2irVfcrp"
crossorigin="anonymous">


  </head>

  <body class="body">

  <div class="on-screen">

   <div class="form">

     <form action="/news" class="innercont" method="POST">

      <h4>Welcome,{{username}}</h4>

      <center><h4>Select one of the below sources.</h4></center>

      <button type="submit"name="newsresource" value="google"><img
name="newsresource" value="abc"src="https://ibm-news-tracker.s3.jp-tok.cloud-object-
storage.appdomain.cloud/google.jpg" /></button>

      <button type="submit"name="newsresource" value="bbc"><img
name="newsresource" value="abc"src="https://ibm-news-tracker.s3.jp-tok.cloud-object-
storage.appdomain.cloud/bbc.jpg" /></button><br><br>

      <button type="submit"name="newsresource" value="toi"><img name="newsresource"
value="abc"src="https://ibm-news-tracker.s3.jp-tok.cloud-object-
storage.appdomain.cloud/toi.jpg" /></button>

      <button type="submit"name="newsresource" value="abc"><img
name="newsresource" value="abc"src="https://ibm-news-tracker.s3.jp-tok.cloud-object-
storage.appdomain.cloud/abc.jpg" /></button>

      <p class="message"></p>

     </form>

   </div>

  </div>
```

```html
    </div>

   </body>

</html>
```

FLASK APP:

```python
  from flask import Flask,render_template,request,redirect,url_for,session
from flask_mail import Mail, Message
from newsapi import NewsApiClient
import ibm_db
import re
app=Flask(__name__)
mail = Mail(app)
app.config['MAIL_SERVER']='smtp.gmail.com'
app.config['MAIL_PORT'] = 465
app.config['MAIL_USERNAME'] = 'news.tracker.app.1@gmail.com'
app.config['MAIL_PASSWORD'] = 'Oms@1000'
app.config['MAIL_USE_TLS'] = False
app.config['MAIL_USE_SSL'] = True
mail = Mail(app)
app.secret_key = 'a'
conn=ibm_db.connect("DATABASE=bludb;HOSTNAME=55fbc997-9266-4331-afd3-
888b05e734c0.bs2io90l08kqb1od8lcg.databases.appdomain.cloud;PORT=31929;SECURITY=
SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=fvs98779;PWD=d2GpGOw7rU073ye
E",' ',' ')
global newsresource

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

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

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

@app.route('/dashboard')
def dashboard():
    if(session['loggedin']==True):
```

```python
        return render_template('dashboard.html',username=session['fullname'])
    return render_template('login.html')

@app.route('/login',methods=['GET','POST'])
def login():
    global userid
    msg=' '
    if request.method=='POST':
        username = request.form['username']
        password = request.form['password']
        sql = "SELECT * FROM NTAAC 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)
        if account:
            session['loggedin'] = True
            session['id'] = account['USERNAME']
            userid=  account['USERNAME']
            session['username'] = account['USERNAME']
            session['fullname']=account['FULLNAME']
            session['email'] = account['EMAIL']
            msg = 'Logged in successfully !'
            return render_template('dashboard.html',username=session['fullname'])
        else:
            msg = 'Incorrect username / password !'
        return render_template('login.html',msg=msg)

@app.route('/register',methods=['GET','POST'])
def register():
    if request.method=='POST':
        fullname = request.form['fullname']
        username = request.form['username']
        email = request.form['email']
        password = request.form['password']
        queryone = "SELECT * FROM NTAAC WHERE username = ? "
        stmtone = ibm_db.prepare(conn,queryone)
        ibm_db.bind_param(stmtone,1,username)
        ibm_db.execute(stmtone)
        userexist = ibm_db.fetch_assoc(stmtone)
        querytwo = "SELECT * FROM NTAAC WHERE email = ? "
        stmtwo = ibm_db.prepare(conn,querytwo)
        ibm_db.bind_param(stmtwo,1,email)
        ibm_db.execute(stmtwo)
        emailexist = ibm_db.fetch_assoc(stmtwo)
        if emailexist:
```

```python
                        msg="Email id already exist!"
                elif userexist:
                        msg="Username id already exist!"
                else:
                        insert_sql="INSERT INTO NTAAC VALUES(?, ?, ?, ?)"
                        prep_stmt=ibm_db.prepare(conn,insert_sql)
                        ibm_db.bind_param(prep_stmt,1,fullname)
                        ibm_db.bind_param(prep_stmt,2,email)
                        ibm_db.bind_param(prep_stmt,3,username)
                        ibm_db.bind_param(prep_stmt,4,password)
                        ibm_db.execute(prep_stmt)
                        # msg = Message('CAD-NEWSTRACKER Account Created Successfully',sender
='cad.newstracker@gmail.com',recipients = [email])
                        # msg.body = ("Welcome to CAD-NEWSTRACKER, your account was
successfully registered with us."+"\n\n\n"+"Your login credentials are:"+"\n\n"+"Username:
"+username+"\n"+"Password: "+password+"\n\n\n"+"Happy
Reading........"+"\n\n\n\n"+"With regard,"+"\n"+"CAD-NEWSTRACKER")
                        # mail.send(msg)
                        return render_template('newaccount.html')
                return render_template('signup.html',msg=msg)


@app.route('/recover',methods=['GET','POST'])
def recover():
        if request.method=='POST':
                email = request.form['email']
                query = "SELECT * FROM NTAAC WHERE email = ? "
                stmt = ibm_db.prepare(conn,query)
                ibm_db.bind_param(stmt,1,email)
                ibm_db.execute(stmt)
                emailexist = ibm_db.fetch_assoc(stmt)
                if emailexist:
                        queryone=("SELECT * FROM NTAAC WHERE EMAIL =?")
                        stmtone = ibm_db.prepare(conn,queryone)
                        ibm_db.bind_param(stmtone,1,email)
                        ibm_db.execute(stmtone)
                        credentials = ibm_db.fetch_assoc(stmtone)
                        username=str(credentials['USERNAME'])
                        password=str(credentials['PASSWORD'])
                        # msg = Message('CAD-NEWSTRACKER Login Credentials',sender
='charanya@gmail.com',recipients = [email])
                        # msg.body = ("Request for sending your login credentials was completed
successfully."+"\n\n\n"+"Your login credentials are:"+"\n\n"+"Username:
"+username+"\n"+"Password: "+password+"\n\n\n"+"Happy
Reading........"+"\n\n\n\n"+"With regard,"+"\n"+"CAD-NEWSTRACKER")
                        # mail.send(msg)
                        msg="Registered succcessfully....."
                        email='  '
```

```python
            return render_template('login.html',msg=msg)
        else:
            msg="Email id not found."
            return render_template('forgot.html',msg=msg)


@app.route('/news',methods=['GET','POST'])
def news():
    newsapi = NewsApiClient(api_key="15fc18be3b65448987ae91aa3bcb50d4")
    if request.method == 'POST':
        if(request.form['newsresource']=="google"):
            newsresource="google-news-in"
            msg="GOOGLE NEWS"
        elif(request.form['newsresource']=="bbc"):
            newsresource="bbc-news"
            msg="BBC NEWS"
        elif(request.form['newsresource']=="toi"):
            newsresource="the-times-of-india"
            msg="Times of India"
        elif(request.form['newsresource']=="abc"):
            newsresource="abc-news"
            msg="ABC NEWS"
    topheadlines = newsapi.get_top_headlines(sources=newsresource)
    articles = topheadlines['articles']
    news = []
    author = []
    publishedAt=[]
    desc=[]
    img = []
    content=[]
    url=[]
    for i in range(len(articles)):
        myarticles = articles[i]
        news.append(myarticles['title'])
        author.append(myarticles['author'])
        publishedAt.append(myarticles['publishedAt'])
        desc.append(myarticles['description'])
        img.append(myarticles['urlToImage'])
        content.append(myarticles['content'])
        url.append(myarticles['url'])
        mylist = zip(news, author,publishedAt, desc,img,content,url)
    return render_template('news.html', context = mylist)


@app.route('/logout')
def logout():
    session['loggedin']=False
    session.pop('id', None)
    session.pop('username', None)
```

```python
        msg="Logged out successfully......"
        return render_template('login.html',msg=msg)

if __name__ == '__main__':
    app.run(host='0.0.0.0', port=5000, debug=True, threaded=True)
```