

## ***Project Development - Delivery of Sprint-3***

<b>Date</b>	12 Nov 2022
<b>Project Title</b>	News Tracker Application
<b>Team ID</b>	PNT2022TMID47959
<b>Maximum marks</b>	4 Marks

<b><i>Sprint-3 Deliverables</i></b>
1.Created dashboard page to be appeared after successful login.
2.News API was integrated to the flask program from newsapi.org
3.Created news page to see the news articles
4.Different news sources were added to dashboard, letting the user to choose one among them

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

  <link href='https://fonts.googleapis.com/css?family=Titillium+Web:400,300,600'
rel='stylesheet' type='text/css'>

  <link href='https://fonts.googleapis.com/css?family=Titillium+Web:400,300,600'
rel='stylesheet' type='text/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" method="POST">

      <lottie-player src="https://assets7.lottiefiles.com/packages/lf20_d8E2BRvHrr.json"
speed="1" style="justify-content: center;" loop autoplay></lottie-player>
      <center><p style="font-family: 'Pacifico', cursive;">Select one of the below
sources.</p></center>

      <button type="submit" name="newsresource" value="google"></button>
```

```
<button type="submit" name="newsresource" value="bbc"></button><br><br>
```

```
<button type="submit" name="newsresource" value="toi"></button>
```

```
<button type="submit" name="newsresource" value="abc"></button>
```

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

```
</form>
```

```
</div>
```

```
</div>
```

```
</body>
```

```
</html>
```

#### **dashboard.css:**

```
@import url(https://fonts.googleapis.com/css?family=Roboto:300);
```

```
.body
```

```
{
```

```
background-image: url('https://ibm-news-tracker.s3.jp-tok.cloud-object-storage.appdomain.cloud/login-signup-backgroud-image.png');
```

```
background-repeat: no-repeat;
```

```
background-size: cover;
```

```
}
```

```
.on-screen
```

```
{
```

```
width: 300px;
```

```
padding: 2% 0 0;
```

```
margin: auto;
```

```
}
```

```
.form
```

```
{
  position: absolute;
  border-radius: 25px;
  right: 40px;
  border: 5px solid white;
  z-index: 1;
  background: #48c9b0;
  max-width: 360px;
  margin: 0 auto 80px;
  padding: 20px;
  text-align: center;
  box-shadow: 0 0 20px 0 rgba(0, 0, 0, 0.2), 0 5px 5px 0 rgba(0, 0, 0, 0.24);
}
```

```
.form input
{
  font-family: FontAwesome, "Pacifico", cursive;
  outline: 0;
  background: #f2f2f2;
  width: 80%;
  height: 40px;
  border: 0;
  margin: 0 0 15px;
  padding: 15px;
  box-sizing: border-box;
  font-size: 20px;
  border-radius: 10px;
}
```

```
.form button
{
  border: 0;
  background: transparent;
}
```

```
.form button:hover, .form button:focus
{
  transform: translateY(-4px);
}
```

```
.form button:active
{
  transform: translateY(2px);
}
```

```
.form .message
{
  margin: 6px 6px;
  color: #808080;
  font-size: 11px;
}
```

```
text-align: center;
font-weight: bold;
font-style: normal;
}
.form .message a
{
color: #FFFFFF;
text-decoration: none;
font-size: 13px;
}

.form .register-form
{
display: none;
}

.container
{
position: relative;
z-index: 1;
max-width: 300px;
margin: 0 auto;
}

.container:before, .container:after
{
content: "";
display: block;
clear: both;
}

.container .info
{
margin: 50px auto;
text-align: center;
}

.container .info h1
{
margin: 0 0 15px;
padding: 0;
font-size: 36px;
font-weight: 300;
color: #1a1a1a;
}

.container .info span
{
color: #4d4d4d;
font-size: 12px;
```

```

}

.container .info span a
{
  color: #000000;
  text-decoration: none;
}

.container .info span .fa
{
  color: #EF3B3A;
}

body
{
  background: #76b852; /* fallback for old browsers */
  background: -webkit-linear-gradient(right, #76b852, #8DC26F);
  background: -moz-linear-gradient(right, #76b852, #8DC26F);
  background: -o-linear-gradient(right, #76b852, #8DC26F);
  background: linear-gradient(to left, #76b852, #8DC26F);
  font-family: "Roboto", sans-serif;
  -webkit-font-smoothing: antialiased;
  -moz-osx-font-smoothing: grayscale;
}

```

#### **news.html:**

```

<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>
  <link
href="https://fonts.googleapis.com/css2?family=Cormorant+Garamond:ital,wght@1,700&
display=swap" rel="stylesheet">
  <link
href="https://fonts.googleapis.com/css2?family=Crimson+Text&display=swap"
rel="stylesheet">
</head>
<body>

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

  <br>

  <br>

```

```

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

<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>

{% endfor %}

</body>
</html>

```

#### news.css:

```

h1
{
  font-family: 'Merriweather', sans-serif;
  font-size: 40px;
}

h2
{
  font-family: 'Crimson Text', serif;
  font-size: 15px;
}

h3
{
  font-family: 'Cormorant Garamond', serif;
  font-size: 30px;
}

```

#### app.py (NEWS API integration)

```

from newsapi import NewsApiClient
global newsresource
@app.route('/news', methods=['GET', 'POST'])
def news():
    newsapi = NewsApiClient(api_key="2981fa2050bd49d08dae46eadf606b4b")
    if request.method == 'POST':
        if(request.form['newsresource']=="google"):
            newsresource="google-news-in"
        elif(request.form['newsresource']=="bbc"):
            newsresource="bbc-news"
        elif(request.form['newsresource']=="toi"):
            newsresource="the-times-of-india"

```

```
elif(request.form['newsresource']=="abc"):
    newsresource="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)

if __name__ == '__main__':
    app.run(host='0.0.0.0', port=88, debug=True, threaded=True)
```





