Project Development - Delivery of Sprint-3

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

Sprint-3 Deliverables

- 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">
  k rel="stylesheet" type="text/css" href="{{ url_for('static', filename='dashboard.css')}
}}">
  k rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.min.css">
  k href='https://fonts.googleapis.com/css?family=Titillium+Web:400,300,600'
rel='stylesheet' type='text/css'>
  k 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-</pre>
player.js"></script>
  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"</pre>
speed="1" style="justify-content: center;" loop autoplay></lottie-player>
    <center>Select one of the below
sources.</center>
    <button type="submit"name="newsresource" value="google"><img</pre>
name="newsresource" value="abc" style="margin-left: 20px;widthwidth:
```

```
100px;height:100px;border-radius: 15px;"src="https://ibm-news-tracker.s3.jp-tok.cloud-
object-storage.appdomain.cloud/google.jpg" /></button>
            <button type="submit"name="newsresource" value="bbc"><img</pre>
name="newsresource" value="abc" style="margin-left: 20px;widthwidth:
100px;height:100px;border-radius: 15px;"src="https://ibm-news-tracker.s3.jp-tok.cloud-
object-storage.appdomain.cloud/bbc.jpg" /></button><br><br><br><br/><br/>/batton><br/>/br><br/>/br><br/>/batton><br/>/br><br/>/br><br/>/batton><br/>/br><br/>/br><br/>/batton><br/>/br><br/>/batton><br/>/br><br/>/batton><br/>/br><br/>/br><br/>/batton><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br><br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/>/br<br/
            <button type="submit"name="newsresource" value="toi"><img</pre>
name="newsresource" value="abc" style="margin-left: 20px; widthwidth:
100px;height:100px;border-radius: 15px;"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" style="margin-left: 20px;widthwidth:
100px;height:100px;border-radius: 15px;"src="https://ibm-news-tracker.s3.jp-tok.cloud-
object-storage.appdomain.cloud/abc.jpg" /></button>
            </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>
  k rel="stylesheet" type="text/css" href="{{ url_for('static', filename='news.css')}
}}">
       k rel="preconnect" href="https://fonts.googleapis.com">
       k 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, published At, desc, img, content, url in context %}
       \langle br \rangle
       <img style="width: 100%; height: 10px; align-content: center;"src="https://ibm-</pre>
news-tracker.s3.jp-tok.cloud-object-storage.appdomain.cloud/the_line.png"><br/>br>
```

```
<center><h1>{{news}}</h1></center><br><br>
  <img style="height: 500px; 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>
  {% 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)
```



