

Project Development - Delivery of Sprint-3

Project Domain	Cloud Application Development
Project Title	News Tracker Application
Team ID	PNT2022TMID44401
Date	12th Nov 2022

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

Figure-1: Snapshot of created dashboard



Figure-2: Snapshot of the NEWS API used

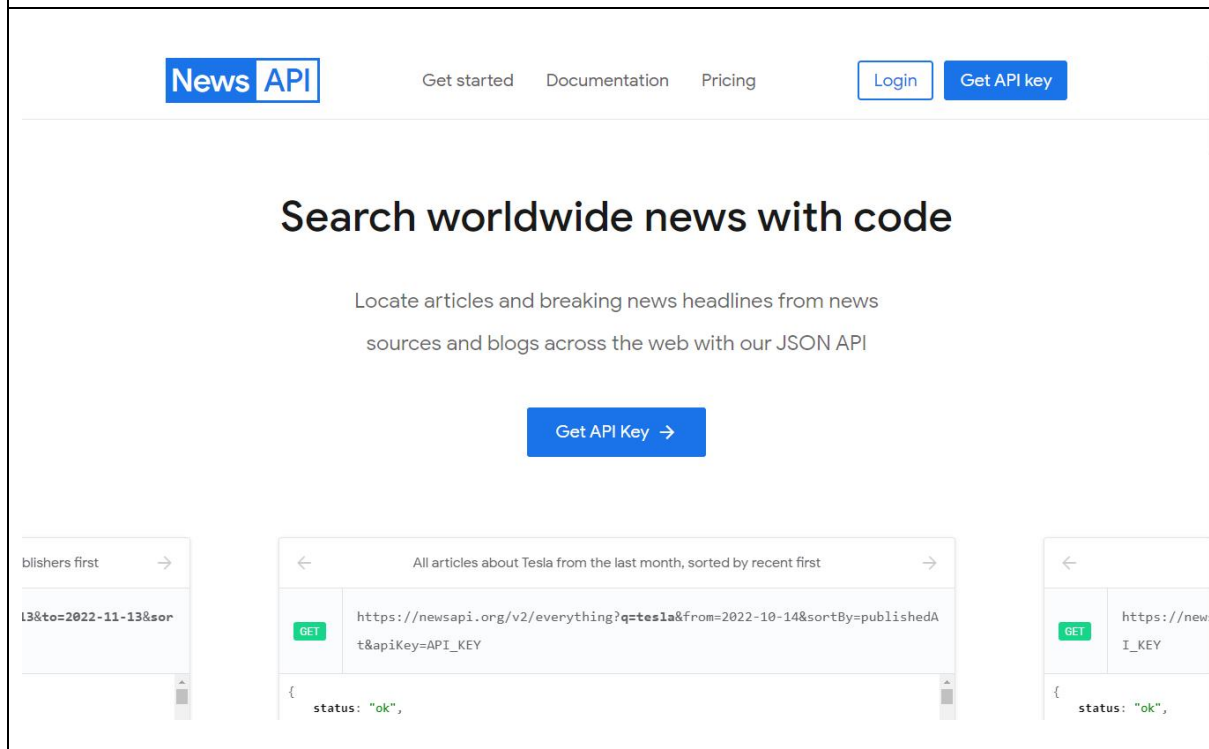


Figure-3: Snapshots of the NEWS generated using the API



Published Time: 2022-11-13T12:56:52+00:00

Author: NDTV Sports Desk

Description: PAK vs ENG Highlights, T20 World Cup Final: Ben Stokes scored an unbeaten 52 off 49 balls to help England chase down a 138-run target vs Pakistan in the final match of T20 World Cup 2022 on Sunday.

Content: T20 World Cup Final, Pakistan vs England, Highlights: Ben Stokes scored an unbeaten 52 off 49 balls to guide England to a 5-wicket win over Pakistan in the final match of T20 World Cup 2022 on Sunday... [+709 chars][Read More...](#)



Published Time: 2022-11-13T22:05:20Z

Author: The Associated Press

Description: The United Methodist Church has cut ties with 58 churches in its Louisiana conference amid a nationwide schism within the Protestant denomination

Content: NEW ORLEANS, La. -- The United Methodist Church, a mainstay of the American religious landscape, has cut ties with 58 churches in its Louisiana conference amid a nationwide schism within the Protesta... [+2473 chars][Read More...](#)



Published Time: 2022-11-13T20:37:05+00:00

Author: Express News Service

Description: The Aam Aadmi Party, which has not fielded Haseeb-ul-Hasan in the upcoming MCD election, is yet to respond to his allegations.

Content: The Aam Aadmi Partys move to collect documents of those who wanted tickets for the upcoming MCD polls backfired on Sunday as its former councillor Haseeb-ul-Hasan climbed atop an electricity transmis... [+2795 chars][Read More...](#)

Explosion on railway track in Udaipur; NIA, other agencies investigate



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-
vp86vTRFVJgpfF9jiIGPEEqYqlDwgyBgEF109VFjmqGmIY/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)
```