

Project Development - Delivery of Sprint-3

Project Domain	Cloud Application Development
Project Title	News Tracker Application
Team ID	PNT2022TMID40746
Date	12th Nov 2022

Figure-1: Snapshot of created dashboard

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-2: Snapshot of the NEWS API used

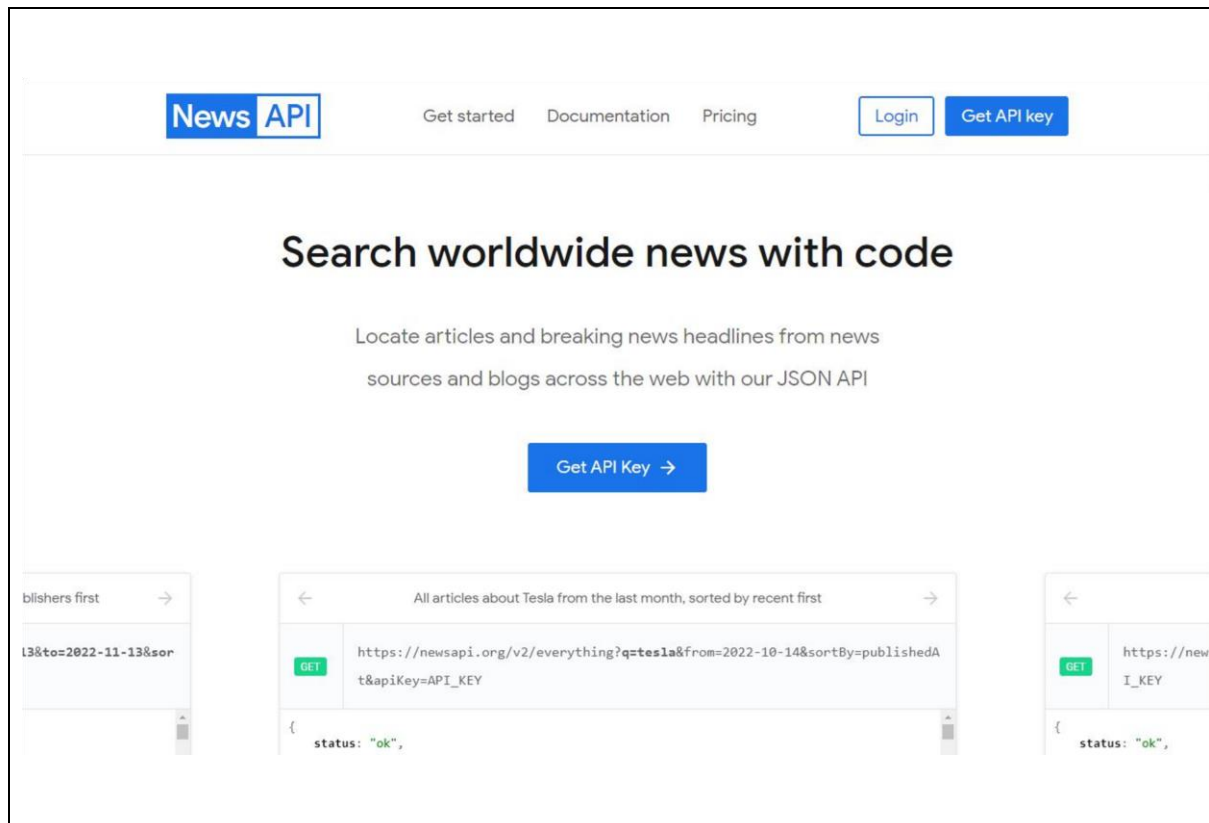


Figure-3: Snapshots of the NEWS generated using the API



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

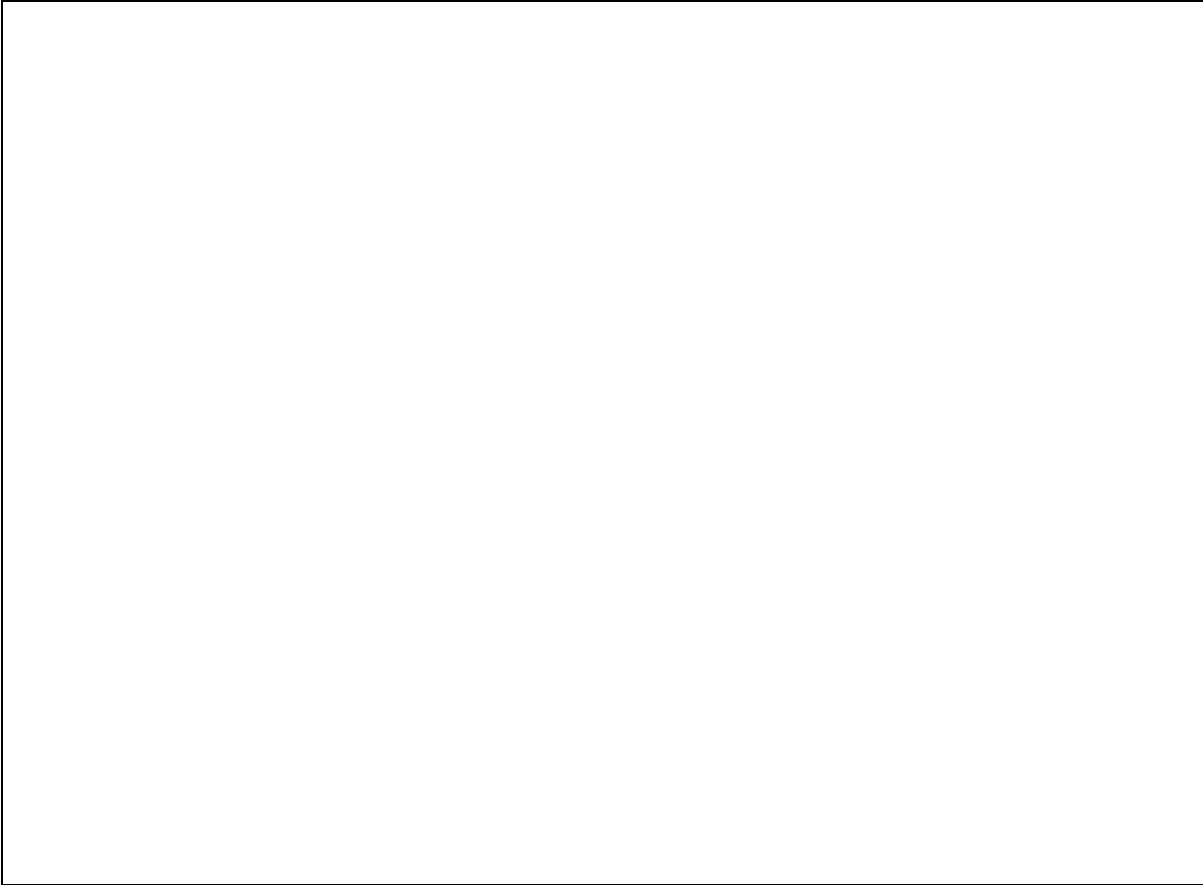
Author: Express News Service

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/fontawesome/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/lottieplayer.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"><img
name="newsresource" value="abc" style="margin-left: 20px; width: 100px; height: 30px;" />
```



```
100px;height:100px;border-radius: 15px;"src="https://ibm-news-tracker.s3.jp-
tok.cloudobject-storage.appdomain.cloud/google.jpg" /></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-  
objectstorage.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;
}
```

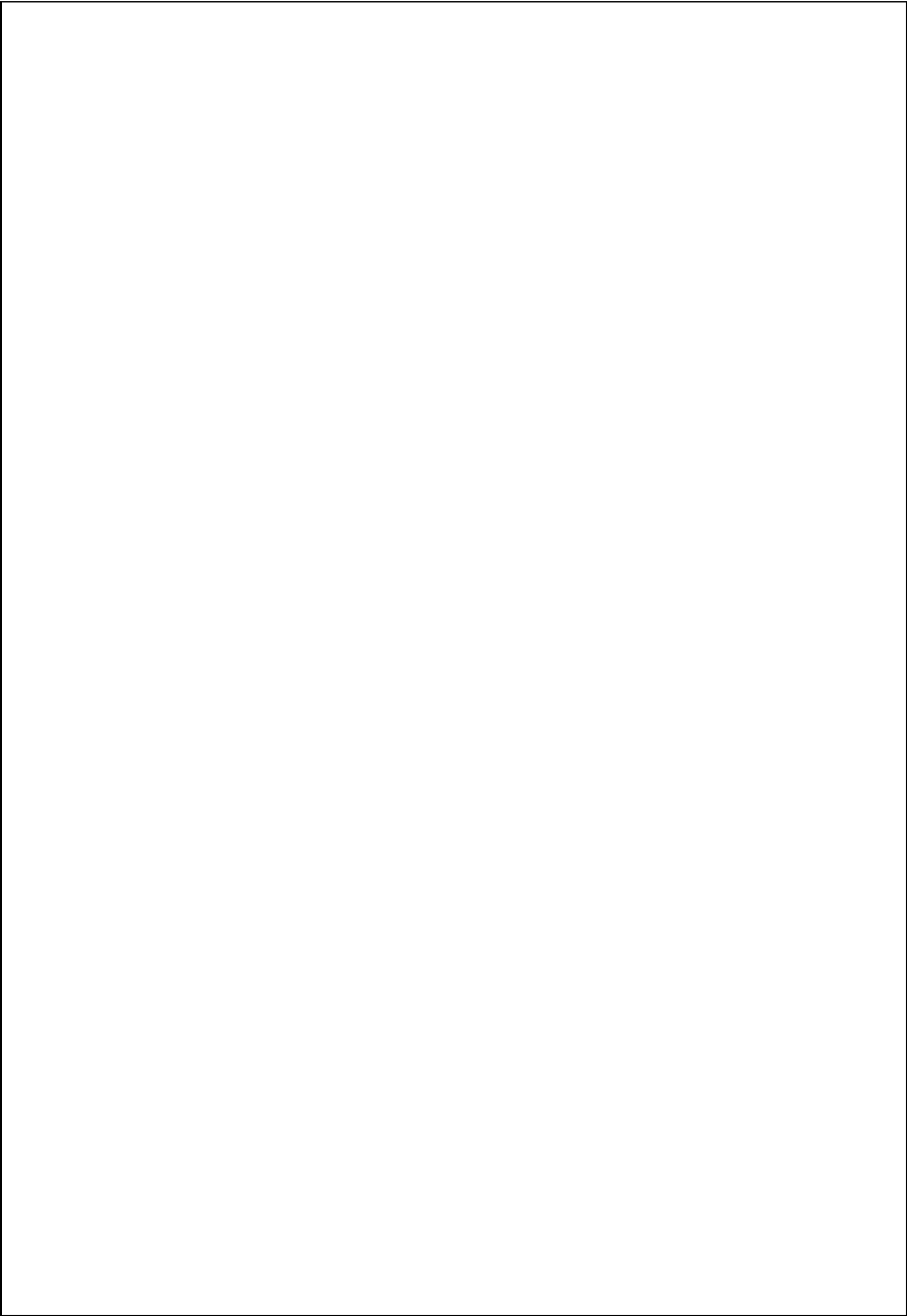
```
.form button
{
border:0;
background:transparent;
}
```

```
.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>
```

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

 <h2>Published Time: {{publishedAt}}</h2> <h2>Author: {{author}}</h2>
 <h3>Description: {{desc}}</h3>
 <h3>Content: {{content}}Read More...</h3>
 {% endfor %} </body> </html> </pre>
<pre> 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; } </pre>

```

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)

```