Project Development - Delivery of Sprint-2

Team ID	PNT2022TMID43386
Project Name	News Tracker Application

Sprint-2 Deliverables

1. Integrated Newsapi with project.

2. Created home page displaying the news fetched from Newsapi.

Config.py

```python
class Config:

    NEWS_BASE_URL_SOURCES = 'https://newsapi.org/v2/top-
headlines/sources?apiKey={}'
    NEWS_BASE_EVERYTHING_URL =
'https://newsapi.org/v2/everything?domains={}&apiKey={}'
    NEWS_BASE_HEADLINES_URL = 'https://newsapi.org/v2/top-
headlines?country=us&apiKey={}'
    NEWS_BASE_SOURCE = 'https://newsapi.org/v2/top-
headlines?sources={}&apiKey={}'
    API_KEY = "0b3e6ba5d69e431d93a99caca0163ea6"

class ProdConfig(Config):
    pass

class DevConfig(Config):
    DEBUG = True


config_options= {
    'development': DevConfig,
    'production': ProdConfig
}
```

request.py

```python
from .models import Articles
from .models import Sources
from newsapi import NewsApiClient
from .config import Config
import urllib.request,json

api_key=None
```

```python
base_url=None
base_url_for_everything=None
base_url_top_headlines=None
base_source_list=None

def publishedArticles():
    newsapi = NewsApiClient(api_key= Config.API_KEY)

    get_articles = newsapi.get_everything(sources= 'cnn, reuters, cnbc, the-
verge, gizmodo, the-next-web, techradar, recode, ars-technica')

    all_articles = get_articles['articles']

    articles_results = []

    source = []
    title = []
    desc = []
    author = []
    img = []
    p_date = []
    url = []

    for i in range(len(all_articles)):
        article = all_articles[i]

        source.append(article['source'])
        title.append(article['title'])
        desc.append(article['description'])
        author.append(article['author'])
        img.append(article['urlToImage'])
        p_date.append(article['publishedAt'])
        url.append(article['url'])

        article_object = Articles(source, title, desc, author, img, p_date,
url)

        articles_results.append(article_object)

        contents = zip(source, title, desc, author, img, p_date, url)

    return  contents
```

home.html

```
{% extends 'base.html' %}

{% block content %}

<div class="container-fluid landing">
    <div class="row">
        {% for source, title, desc, author, img, p_date, url in articles %}
            <div class="col-md-4 d-flex justify-content-center">
                <div class="card mb-3 bg-dark text-white">
                    <img src="{{ img }}" class="card-img image-fluid"
alt="...">
                    <div class="card-body">
                        <p class="card-text source">{{ source.name }}</p>
                        <a href="{{ url }}">
                            <h2 class="card-title"><b> {{ title }} </b></h2>
                        </a>
                        <p class="card-text">{{ desc }}</p>
                        <p class="card-text"><svg
xmlns="http://www.w3.org/2000/svg" width="24" height="24" viewBox="0 0 24 24"
style="fill: rgba(255, 255, 255, 1);"><path d="M12 2C6.579 2 2 6.579 2
12s4.579 10 10 10 10-4.579 10-10S17.421 2 12 2zm0 5c1.727 0 3 1.272 3 3s-1.273
3-3 3c-1.726 0-3-1.272-3-3s1.274-3 3-3zm-5.106 9.772c.897-1.32 2.393-2.2
4.106-2.2h2c1.714 0 3.209.88 4.106 2.2C15.828 18.14 14.015 19 12 19s-3.828-
.86-5.106-2.228z"></path></svg> <span class="highlight" ><span
class="highlight" > Author:</span> </span>{{ author }}</p>
                    </div>
                    <div class="card-footer">
                        <p class="card-text published"><svg class="p-svg"
xmlns="http://www.w3.org/2000/svg" width="24" height="24" viewBox="0 0 24 24"
style="fill: rgba(255, 255, 255, 1);"><path d="M12 5c-4.411 0-8 3.589-8
8s3.589 8 8 8 8-3.589 8-8-3.589-8-8-8zm0 14c-3.309 0-6-2.691-6-6s2.691-6 6-6 6
2.691 6 6-2.691 6-6 6z"></path><path d="M11 9h2v5h-2zM9 2h6v2H9zm10.293 5.707-
2-2 1.414-1.414 2 2z"></path></svg> Date Published: {{ p_date }}</p>
                    </div>
                </div>
            </div>
        {% endfor %}
    </div>
</div>

{% endblock %}
```

base.html:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <meta name="Description" content="Enter your description here"/>
    <!-- Favicons -->
    <link href="{{ url_for('static', filename='/favicon.ico') }}" rel="icon">

    <link rel="stylesheet"
href="https://fonts.googleapis.com/css?family=Overpass">
    <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/twitter-
bootstrap/4.6.0/css/bootstrap.min.css">
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/5.15.4/css/all.min.css">
    <link rel="stylesheet" href="{{ url_for('static',
filename='assets/css/style.css') }}">
    <link rel="stylesheet" href="{{ url_for('static',
filename='assets/css/style2.css') }}">
    <script
      src="https://kit.fontawesome.com/64d58efce2.js"
      crossorigin="anonymous"
    ></script>
    <title>News Hub</title>
</head>
<body>

    {% block navbar %}

    <div class="container-fluid" style="background-color: #000;">
        <nav class="navbar navbar-expand-lg navbar-dark bg-dark fixed-top
shadow-sm">

            <!--  Show this only on mobile to medium screens  -->
            <a class="navbar-brand d-lg-none" href="{{ url_for('home')
}}"><b class="lg"><span class="logo">IBM</span> 24/7</b></a>

            <button class="navbar-toggler" type="button" data-
toggle="collapse" data-target="#navbarToggle" aria-controls="navbarToggle"
aria-expanded="false" aria-label="Toggle navigation">
                <span class="navbar-toggler-icon"></span>
            </button>

            <!--  Use flexbox utility classes to change how the child elements
are justified  -->
```

```html
            <div class="collapse navbar-collapse justify-content-between"
id="navbarToggle">

                <ul class="navbar-nav">

                    <li class="nav-item">
                        <a class="nav-link" href="{{ url_for('home')
}}">Home</a>

                    </li>

                    <li class="nav-item">
                        <a class="nav-link" href="{{ url_for('headlines')
}}"><span class="logo">Headlines</span></a>
                    </li>
                    <li class="nav-item">
                        <a class="nav-link"href="{{ url_for('articles')
}}">Articles</a>
                    </li>
                    <!-- <li class="nav-item">
                        <a class="nav-link"href="{{ url_for('sources')
}}">Sources</a>
                    </li> -->
                    <li class="nav-item dropdown">
                        <a class="nav-link dropdown-toggle" href="#"
id="navbarDropdown" role="button" data-toggle="dropdown" aria-
expanded="false">
                            Categories
                        </a>
                        <div class="dropdown-menu" aria-
labelledby="navbarDropdown">
                            <a class="dropdown-item" href="{{
url_for('business') }}">Business</a>
                            <a class="dropdown-item" href="{{ url_for('tech')
}}">Technology</a>
                            <a class="dropdown-item" href="{{
url_for('entertainment') }}">Entertainment</a>
                            <a class="dropdown-item" href="{{ url_for('science')
}}">Science</a>
                            <a class="dropdown-item" href="{{ url_for('sports')
}}">Sport</a>
                            <a class="dropdown-item" href="{{ url_for('health')
}}">Health</a>
                        </div>
                    </li>
                </ul>
```

```html
            <!--   Show this only lg screens and up   -->
            <a class="navbar-brand d-none d-lg-block" href="{{
url_for('home') }}"><b class="lg"><span class="logo">IBM</span> 24/7</b></a>



            <ul class="navbar-nav">

              <li class="nav-item">
                {% if x %}
                <a class="nav-link" href="/login">
                  <svg class="svg"
xmlns="http://www.w3.org/2000/svg" viewBox="0 0 24 24" width="24" height="24"
style="fill: rgba(255, 255, 255, 1);"><path d="M12 2A10.13 10.13 0 0 0 2 12a10
10 0 0 0 4 7.92V20h.1a9.7 9.7 0 0 0 11.8 0h.1v-.08A10 10 0 0 0 22 12 10.13
10.13 0 0 0 12 2zM8.07 18.93A3 3 0 0 1 11 16.57h2a3 3 0 0 1 2.93 2.36 7.75
7.75 0 0 1-7.86 0zm9.54-1.29A5 5 0 0 0 13 14.57h-2a5 5 0 0 0-4.61 3.07A8 8 0 0
1 4 12a8.1 8.1 0 0 1 8-8 8.1 8.1 0 0 1 8 8 8 8 0 0 1-2.39 5.64z"></path><path
d="M12 6a3.91 3.91 0 0 0-4 4 3.91 3.91 0 0 0 4 4 3.91 3.91 0 0 0 4-4 3.91 3.91
0 0 0-4-4zm0 6a1.91 1.91 0 0 1-2-2 1.91 1.91 0 0 1 2-2 1.91 1.91 0 0 1 2 2
1.91 1.91 0 0 1-2 2z"></path></svg> <span class="logo"> Login/Register</span>
                </a>
                {% else %}
                <a class="nav-link" href="/">
                  <svg class="svg"
xmlns="http://www.w3.org/2000/svg" viewBox="0 0 24 24" width="24" height="24"
style="fill: rgba(255, 255, 255, 1);"><path d="M12 2A10.13 10.13 0 0 0 2 12a10
10 0 0 0 4 7.92V20h.1a9.7 9.7 0 0 0 11.8 0h.1v-.08A10 10 0 0 0 22 12 10.13
10.13 0 0 0 12 2zM8.07 18.93A3 3 0 0 1 11 16.57h2a3 3 0 0 1 2.93 2.36 7.75
7.75 0 0 1-7.86 0zm9.54-1.29A5 5 0 0 0 13 14.57h-2a5 5 0 0 0-4.61 3.07A8 8 0 0
1 4 12a8.1 8.1 0 0 1 8-8 8.1 8.1 0 0 1 8 8 8 8 0 0 1-2.39 5.64z"></path><path
d="M12 6a3.91 3.91 0 0 0-4 4 3.91 3.91 0 0 0 4 4 3.91 3.91 0 0 0 4-4 3.91 3.91
0 0 0-4-4zm0 6a1.91 1.91 0 0 1-2-2 1.91 1.91 0 0 1 2-2 1.91 1.91 0 0 1 2 2
1.91 1.91 0 0 1-2 2z"></path></svg><span class="logo"> Logout </span>
                </a>
                {% endif %}
              </li>
            </ul>
          </div>
        </nav>
    </div>

    {% endblock %}


    {% block content %}


    {% endblock %}
```

```
    {% block footer %}

    <div class="container-fluid footer">
        <p class="text-center footer-text">
            © <span class="logo">IBM </span>24/7 By Aishvarya, Koushik S G,
Prabhuram S S, Shobika V
        </p>
    </div>

    {% endblock %}
    <script
src="https://cdnjs.cloudflare.com/ajax/libs/jquery/3.5.1/jquery.slim.min.js"><
/script>
    <script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.16.1/umd/popper.min.js
"></script>
    <script src="https://cdnjs.cloudflare.com/ajax/libs/twitter-
bootstrap/4.6.0/js/bootstrap.min.js"></script>
</body>
</html>
```

Outputs: