

## 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

```
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

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

api_key=None
```

```

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">
                    
                    <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 8-3.589 8-8-3.589-8-8-8zm0 14c-3.309 0-6-2.691-6-6s2.691-6 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 %}
```

## Outputs:

The screenshot displays the IBM 24/7 website interface. The top navigation bar includes links for Home, Headlines, Articles, and Categories, along with a Login/Register button. The main content area features three news articles, each with a featured image, a source, a headline, a brief description, an author, and a publication date.

Source	Headline	Description	Author	Date Published
The Verge	Elemental's first teaser trailer is a steamy meet-cute from Pixar	Pixar has released the first teaser trailer for Elemental, an animated feature that stars Leah Lewis and Mamoudou Athie and releases in June 2023.	Author: Andrew Webster	2022-11-17T18:17:22Z
Reuters	Egyptian-British activist was close to death when he broke hunger strike - family - Reuters	The family of Egyptian-British activist Alaa Abd el-Fattah said on Thursday that he had broken his hunger strike after collapsing in prison in a "near-death experience" and having a cannula inserted into his body to revive him.	Author: None	2022-11-17T18:17:00Z
The Verge	The Crisis Core: FF7 remaster performance chart shows how complicated console gaming has become	The remaster of Crisis Core: Final Fantasy VII will be available on every recent console platform, but depending on which console you have, the resolution and frame rate will differ quite a bit.	Author: Jay Peters	2022-11-17T18:15:48Z