# **Project Development - Delivery of Sprint-3**

| Team ID      | PNT2022TMID43386         |
|--------------|--------------------------|
| Project Name | News Tracker Application |

# **Sprint-3 Deliverables**

- 1. Created pages for different categories such as business, technology, entertainment, science, sports, health, headlines, and articles
- 2. Developed separate routes and functions for each category.

### app.py - updated

```
from app import app
from flask import Flask, redirect, render_template, request, session, url_for
import ibm db
from .request import businessArticles, entArticles, get_news_source,
healthArticles, publishedArticles, randomArticles, scienceArticles,
sportArticles, techArticles, topHeadlines
app = Flask(__name__)
conn=ibm db.connect("DATABASE=bludb; HOSTNAME=824dfd4d-99de-440d-9991-
629c01b3832d.bs2io90108kqb1od8lcg.databases.appdomain.cloud;PORT=30119;SECURIT
Y=SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=prg16100;PWD=3Tdg3EFQT
g7f08bD",'','')
@app.route('/')
def home():
    articles = publishedArticles()
    return render_template('home.html', articles = articles,x='login')
@app.route('/headlines')
def headlines():
    headlines = topHeadlines()
    return render_template('headlines.html', headlines = headlines)
@app.route('/articles')
def articles():
    random = randomArticles()
    return render_template('articles.html', random = random)
@app.route('/sources')
```

```
def sources():
    newsSource = get news source()
    return render_template('sources.html', newsSource = newsSource)
@app.route('/category/business')
def business():
    sources = businessArticles()
    return render_template('business.html', sources = sources)
@app.route('/category/tech')
def tech():
    sources = techArticles()
    return render_template('tech.html', sources = sources)
@app.route('/category/entertainment')
def entertainment():
    sources = entArticles()
    return render_template('entertainment.html', sources = sources)
@app.route('/category/science')
def science():
    sources = scienceArticles()
    return render_template('science.html', sources = sources)
@app.route('/category/sports')
def sports():
    sources = sportArticles()
    return render_template('sport.html', sources = sources)
@app.route('/category/health')
def health():
   sources = healthArticles()
   return render_template('health.html', sources = sources)
```

# articles.html

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

{% block content %}

<div class="container-fluid landing">
```

```
<div class="row">
       {% for source, title, desc, author, img, p date, url in random %}
       <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">
                   {{ source.name }}
                  <a href="{{ url }}">
                      <h2 class="card-title"><b> {{ title }} </b></h2>
                  </a>
                  {{ desc }}
                  <svg</pre>
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" > Author:</span> {{
author }}
               </div>
               <div class="card-footer">
                  <svg class="p-svg"</pre>
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 }}
               </div>
           </div>
       </div>
       {% endfor %}
   </div>
</div>
{% endblock %}
```

#### **Business.html**

```
<div class="card-body">
                  {{ source.name }}
                  <a href="{{ url }}">
                      <h2 class="card-title"><b> {{ title }} </b></h2>
                  </a>
                  {{ desc }}
                  <svg</pre>
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" > Author: </span>{{
author }}
              </div>
              <div class="card-footer">
                  <svg class="p-svg"</pre>
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 }}
              </div>
           </div>
       </div>
       {% endfor %}
   </div>
</div>
{% endblock %}
```

#### entertainment.html

```
{{ desc }}
                   <svg</pre>
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" > Author: </span>{{
author }}
               </div>
               <div class="card-footer">
                  <svg class="p-svg"</pre>
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 }}
           </div>
       </div>
       {% endfor %}
   </div>
</div>
{% endblock %}
```

# headlines.html

```
{% extends 'base.html' %}
{% block content %}
<div class="container-fluid landing">
   <div class="row">
       {% for source, title, desc, author, img, p date, url in headlines %}
       <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">
                  {{ source.name }}
                  <a href="{{ url }}">
                      <h2 class="card-title"><b> {{ title }} </b></h2>
                  </a>
                  {{ desc }}
                  <svg</pre>
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" > Author:</span> {{
author }}
               </div>
               <div class="card-footer">
                   <svg class="p-svg"</pre>
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 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 }}
               </div>
           </div>
       </div>
       {% endfor %}
    </div>
</div>
{% endblock %}
```

### health.html

```
{% extends 'base.html' %}
{% block content %}
<div class="container-fluid landing">
   <div class="row">
       {% for source, title, desc, author, img, p_date, url in sources %}
       <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">
                 {{ source.name }}
                 <a href="{{ url }}">
                    <h2 class="card-title"><b> {{ title }} </b></h2>
                 </a>
                 {{ desc }}
                 <svg</pre>
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
.86-5.106-2.228z"></path></svg><span class="highlight" > Author: </span> {{
author }}
             </div>
```

### science.html

```
{% extends 'base.html' %}
{% block content %}
<div class="container-fluid landing">
    <div class="row">
       {% for source, title, desc, author, img, p_date, url in sources %}
       <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">
                  {{ source.name }}
                  <a href="{{ url }}">
                      <h2 class="card-title"><b> {{ title }} </b></h2>
                  </a>
                  {{ desc }}
                  <svg</pre>
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" > Author:</span> {{
author }}
               </div>
               <div class="card-footer">
                  <svg class="p-svg"</pre>
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
```

# sport.html

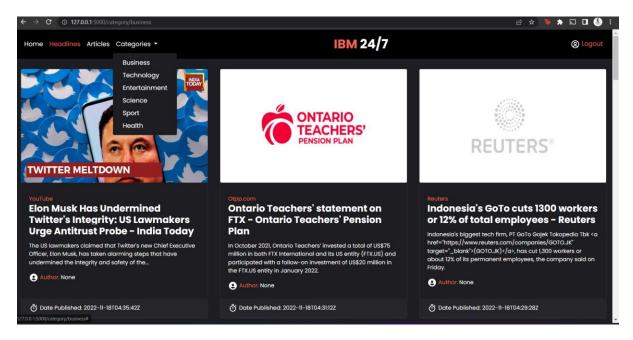
```
{% extends 'base.html' %}
{% block content %}
<div class="container-fluid landing">
   <div class="row">
       {% for source, title, desc, author, img, p_date, url in sources %}
       <div class="col-md-4 d-flex justify-content-center">
           <div class="card mb-3 bg-dark text-white">
               <img src="{{ img }}" class="card-img image-fluid" alt="...">
               <div class="card-body">
                  {{ source.name }}
                  <a href="{{ url }}">
                      <h2 class="card-title"><b> {{ title }} </b></h2>
                  </a>
                  {{ desc }}
                  <svg</pre>
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" > Author: </span>{{
author }}
               </div>
               <div class="card-footer">
                   <svg class="p-svg"</pre>
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 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 }}
               </div>
           </div>
       </div>
```

### tech.html

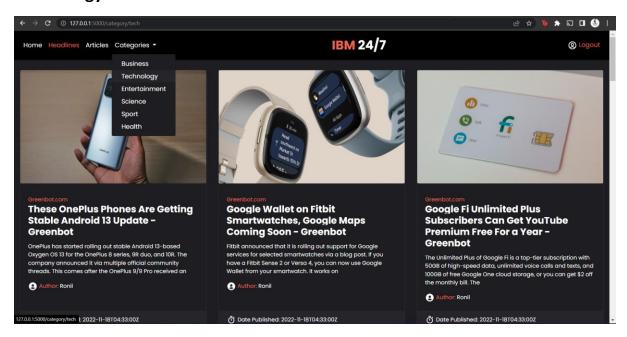
```
{% extends 'base.html' %}
{% block content %}
<div class="container-fluid landing">
   <div class="row">
       {% for source, title, desc, author, img, p date, url in sources %}
       <div class="col-md-4 d-flex justify-content-center">
          <div class="card mb-3 bg-dark text-white">
              <img src="{{ img }}" class="card-img image-fluid" alt="...">
              <div class="card-body">
                 {{ source.name }}
                 <a href="{{ url }}">
                     <h2 class="card-title"><b> {{ title }} </b></h2>
                 </a>
                 {{ desc }}
                  <svg</pre>
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
.86-5.106-2.228z"></path></svg><span class="highlight" > Author:</span> {{
author }}
              </div>
              <div class="card-footer">
                 <svg class="p-svg"</pre>
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 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 }}
              </div>
          </div>
       </div>
       {% endfor %}
   </div>
</div>
{% endblock %}
```

# **Output:**

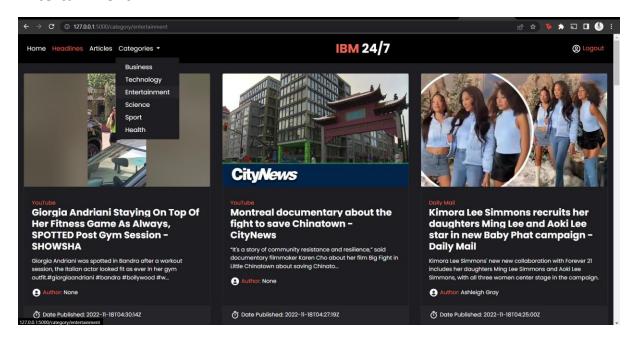
#### **Business**



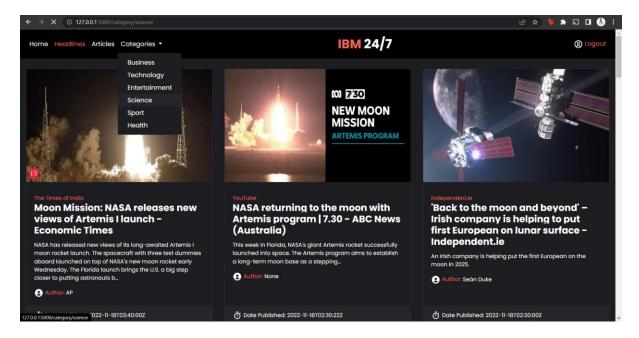
# **Technology**



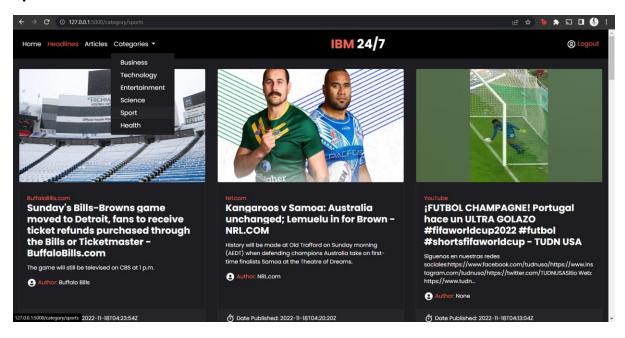
#### **Entertainment**



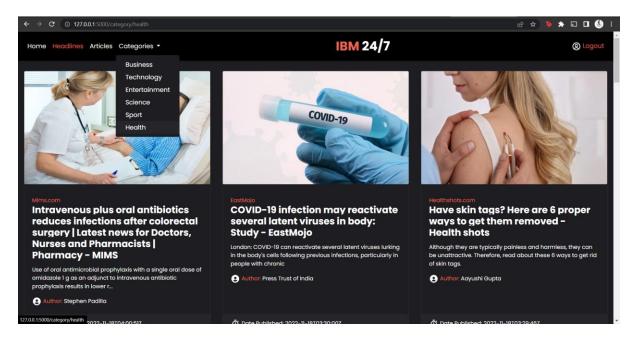
### Science



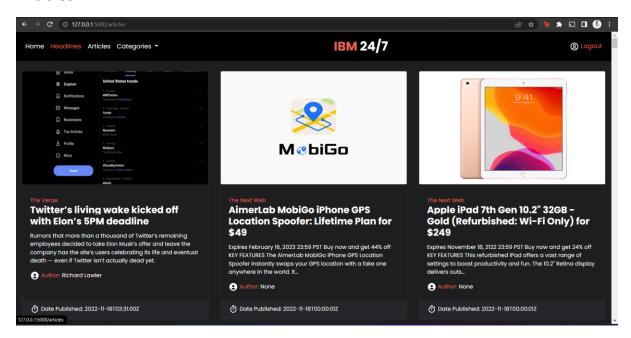
### **Sports**



#### Health



### **Articles**



#### **Headlines**

