CREATING WEB APPLICATION

about.html

```
<!doctype html>
<html lang="en">
<head>
  <!-- Required meta tags -->
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <link rel="shortcut icon" href="{{ url_for('static', filename='favicon.ico') }}">
<link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.3.0/font/bootstrap-icons.css">
  <!-- Custom Styles -->
<link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/css/bootstrap.min.css"
integrity="sha384-MCw98/SFnGE8fJT3GXwEOngsV7Zt27NXFoaoApmYm81iuXoPkFOJwJ8ERdknLPMO"
crossorigin="anonymous">
<link
href="https://fonts.googleapis.com/css2?family=Source+Code+Pro:wght@500&display=swap"
rel="stylesheet">
  <title>NewsToday About</title>
</head>
<body>
<nav class="navbar navbar-expand-md">
<a class="navbar-brand" href="/"><h2 style="font-family:'Source Code Pro',
monospace;">NewsToday</h2></a>
<button class="navbar-toggler navbar-light" type="button" data-toggle="collapse"
data-target="#main-
navigation">
  <span class="navbar-toggler-icon"></span>
</button>
<div class="collapse navbar-collapse" id="main-navigation">
  <ul class="navbar-nav">
    <li class="nav-item">
      <a class="nav-link" href="/">Home</a>
    </li>
    <li class="nav-item">
      <a class="nav-link" href="/sources">Sources</a>
```

```html
      </li>
    <li class="nav-item">
      <a class="nav-link" href="/about">About me</a>
    </li>  
    <form action="{{ url_for('search') }}", method="post">
      <input type="text" name="searchBar" placeholder="Search news here">
    <button>Search</button>
    </form>
  </ul>
</div>
</nav>
<div class="jumbotron">
<h1 class="display-4">Team Members</h1>
<hr class="my-4">
<ol><li>SabariRohith N - Team Leader</li>
  <li>Kavinayaa N</li>
  <li>Sreeram KT</li>
  <li>Sabareesan A</li>
  <li>Dharanya</li>
</ol>
</div>
</body>
</html>
```

index.html

```html
<!doctype html>
<html lang="en">
<head>
  <!-- Required meta tags -->
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <link rel="shortcut icon" href="{{ url_for('static', filename='favicon.ico') }}">
  <!-- Custom Styles -->
  <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/css/bootstrap.min.css"
integrity="sha384-MCw98/SFnGE8fJT3GXwEOngsV7Zt27NXFoaoApmYm81iuXoPkFOJwJ8ERdknLPMO"
crossorigin="anonymous">
  <link rel="preconnect" href="https://fonts.gstatic.com">
```

```html
  <link
href="https://fonts.googleapis.com/css2?family=Source+Code+Pro:wght@500&display=swap"
rel="stylesheet">
  <title>NewsToday Homepage</title>
</head>
<nav id="navbar" class="navbar navbar-expand-md">
<a class="navbar-brand" href="/"><h2 style="font-family:'Source Code Pro',
monospace;">NewsToday</h2></a>
<button class="navbar-toggler navbar-light" type="button" data-toggle="collapse"
data-target="#main-
navigation">
  <span class="navbar-toggler-icon"></span>
</button>
<div class="collapse navbar-collapse" id="main-navigation">
  <ul class="navbar-nav mr-auto">
  <img class="navbar-nav">
    <li class="nav-item">
      <a class="nav-link" href="/">Home</a>
    </li>
    <li class="nav-item">
      <a class="nav-link" href="/sources">Sources</a>
    </li>
    <li class="nav-item">
      <a class="nav-link" href="/about">About me</a>
    </li>  
    <form action="{{ url_for('search') }}", method="post">
      <input type="text" name="searchBar" placeholder="Search news here">
      <button>Search</button>
    </form>
  </ul>
</div>
</nav>
<div class="container">
<h5>Category</h5>
<ul class="nav nav-tabs" role="tablist">
  <li role="presentation"><a href="#business" role="tab" data-
toggle="tab">Business   </a></li>
  <li role="presentation"><a href="#entertainment" role="tab" data-
toggle="tab">Entertainment   </a></li>
2   <li role="presentation" class="active"><a href="#general" role="tab" data-
toggle="tab">General   </a></li>
```

```html
  <li role="presentation"><a href="#health" role="tab"
data-toggle="tab">Health   </a></li>
  <li role="presentation"><a href="#science" role="tab" data-
toggle="tab">Science   </a></li>
  <li role="presentation"><a href="#sports" role="tab"
data-toggle="tab">Sports   </a></li>
  <li role="presentation"><a href="#technology" role="tab" data-
toggle="tab">Technology   </a></li>
</ul>
</li>
<br><br>
<!-- Tab panes -->
<div class="tab-content">
<div role="tabpanel" class="tab-pane" id="business">
    {% for i in response1['articles'] %}
<div class="card">
<img class="card-img-top" src={{ i['urlToImage'] }} alt="Image not available">
<div class="card-body">
  <h5 class="card-title">{{ i['title'] }}</h5>
  <p class="card-text"> {{ i['description'] }}</p>
  <a href={{ i['url'] }} class="btn btn-primary">Read more...</a>
</div>
</div>
{% endfor %}
</div>
<div role="tabpanel" class="tab-pane" id="entertainment">
    {% for i in response2['articles'] %}
<div class="card">
<img class="card-img-top" src={{ i['urlToImage'] }} alt="Image not available">
<div class="card-body">
  <h5 class="card-title">{{ i['title'] }}</h5>
  <p class="card-text"> {{ i['description'] }}</p>
  <a href={{ i['url'] }} class="btn btn-primary">Read more...</a>
</div>
</div>
{% endfor %}
</div>
<div role="tabpanel" class="tab-pane active" id="general">
    {% for i in response3['articles'] %}
<div class="card">
<img class="card-img-top" src={{ i['urlToImage'] }} alt="Image not available">
<div class="card-body">
```

```html
  <h5 class="card-title">{{ i['title'] }}</h5>
  <p class="card-text"> {{ i['description'] }}</p>
  <a href={{ i['url'] }} class="btn btn-primary">Read more...</a>
</div>
</div>
{% endfor %}
</div>
3 <div role="tabpanel" class="tab-pane" id="health">
     {% for i in response4['articles'] %}
<div class="card">
<img class="card-img-top" src={{ i['urlToImage'] }} alt="Image not available">
<div class="card-body">
  <h5 class="card-title">{{ i['title'] }}</h5>
  <p class="card-text"> {{ i['description'] }}</p>
  <a href={{ i['url'] }} class="btn btn-primary">Read more...</a>
</div>
</div>
{% endfor %}
</div>
<div role="tabpanel" class="tab-pane" id="science">
     {% for i in response5['articles'] %}
<div class="card">
<img class="card-img-top" src={{ i['urlToImage'] }} alt="Image not available">
<div class="card-body">
  <h5 class="card-title">{{ i['title'] }}</h5>
  <p class="card-text"> {{ i['description'] }}</p>
  <a href={{ i['url'] }} class="btn btn-primary">Read more...</a>
</div>
</div>
{% endfor %}
</div>
<div role="tabpanel" class="tab-pane" id="sports">
     {% for i in response6['articles'] %}
<div class="card">
<img class="card-img-top" src={{ i['urlToImage'] }} alt="Image not available">
<div class="card-body">
  <h5 class="card-title">{{ i['title'] }}</h5>
  <p class="card-text"> {{ i['description'] }}</p>
  <a href={{ i['url'] }} class="btn btn-primary">Read more...</a>
</div>
</div>
{% endfor %}
```

```
</div>
<div role="tabpanel" class="tab-pane" id="technology">
     {% for i in response7['articles'] %}
<div class="card">
<img class="card-img-top" src={{ i['urlToImage'] }} alt="Image not available">
<div class="card-body">
4   <h5 class="card-title">{{ i['title'] }}</h5>
  <p class="card-text"> {{ i['description'] }}</p>
  <a href={{ i['url'] }} class="btn btn-primary">Read more...</a>
</div>
</div>
{% endfor %}
</div>
</div>
</body>
</html>
```

search.html

```
<!doctype html>
<html lang="en">
<head>
  <!-- Required meta tags -->
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <link rel="shortcut icon" href="{{ url_for('static', filename='favicon.ico') }}">
  <!-- Custom Styles -->
<link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/css/bootstrap.min.css"
integrity="sha384-MCw98/SFnGE8fJT3GXwEOngsV7Zt27NXFoaoApmYm81iuXoPkFOJwJ8ERdknLPMO"
crossorigin="anonymous">
<link
href="https://fonts.googleapis.com/css2?family=Source+Code+Pro:wght@500&display=swap"
rel="stylesheet">
  <title>NewsToday sources</title>
</head>
<body>
<nav class="navbar navbar-expand-md">
<a class="navbar-brand" href="/"><h2 style="font-family:'Source Code Pro',
monospace;">NewsToday</h2></a>
```

```
<button class="navbar-toggler navbar-light" type="button" data-toggle="collapse"
data-target="#main-
navigation">
  <span class="navbar-toggler-icon"></span>
</button>
<div class="collapse navbar-collapse" id="main-navigation">
  <ul class="navbar-nav">
    <li class="nav-item">
      <a class="nav-link" href="/">Home</a>
    </li>
    <li class="nav-item">
      <a class="nav-link" href="/sources">Sources</a>
    </li>
    <li class="nav-item">
Type your text
Type your text
Type your text
Type your text
6       <a class="nav-link" href="/about">About me</a>
    </li>  
    <form action="{{ url_for('search') }}", method="post">
      <input type="text" name="searchBar" placeholder="Search news here">
      <button>Search</button>
    </form>
  </ul>
</div>
</nav>
{% for i in response['articles'] %}
<div class="card">
<img class="card-img-top" src={{ i['urlToImage'] }} alt="Image not available">
<div class="card-body">
  <h5 class="card-title">{{ i['title'] }}</h5>
  <p class="card-text"> {{ i['description'] }}</p>
  <a href={{ i['url'] }} class="btn btn-primary">Read more...</a>
</div>
</div>
{% endfor %}
</body>
</html>
```

sources.html

```html
<!doctype html>
<html lang="en">
<head>
  <!-- Required meta tags -->
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <link rel="shortcut icon" href="{{ url_for('static', filename='favicon.ico') }}">
  <!-- Custom Styles -->
<link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/css/bootstrap.min.css"
integrity="sha384-MCw98/SFnGE8fJT3GXwEOngsV7Zt27NXFoaoApmYm81iuXoPkFOJwJ8ERdknLPMO"
crossorigin="anonymous">
<link
href="https://fonts.googleapis.com/css2?family=Source+Code+Pro:wght@500&display=swap"
rel="stylesheet">
  <title>NewsToday sources</title>
</head>
<body>
<nav class="navbar navbar-expand-md">
<a class="navbar-brand" href="/"><h2 style="font-family:'Source Code Pro',
monospace;">NewsToday</h2></a>
<button class="navbar-toggler navbar-light" type="button" data-toggle="collapse"
data-target="#main-
navigation">
  <span class="navbar-toggler-icon"></span>
</button>
<div class="collapse navbar-collapse" id="main-navigation">
  <ul class="navbar-nav">
    <li class="nav-item">
7      <a class="nav-link" href="/">Home</a>
    </li>
    <li class="nav-item">
      <a class="nav-link" href="/sources">Sources</a>
    </li>
    <li class="nav-item">
      <a class="nav-link" href="/about">About me</a>
    </li>  
    <form action="{{ url_for('search') }}", method="post">
      <input type="text" name="searchBar" placeholder="Search news here">
      <button>Search</button>
```

```
    </form>
  </ul>
</div>
</nav>
 {% for i in name['sources'] %}


<div class="card">
<div class="card-header">Category : {{ i['category'] }}, Country : {{ i['country'] }}
</div>
<div class="card-body">
  <h5 class="card-title"> {{ i['name'] }} </h5>
  <p class="card-text"> {{ i['description'] }} </p>
  <a href= {{ i['url'] }} target='_blank' class="btn btn-primary">Visit site</a>
</div>
</div>
 {% endfor %}
</body>
</html>
```

404.html

```
<!doctype html>
<html lang="en">
<head>
  <!-- Required meta tags -->
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <link rel="shortcut icon" href="{{ url_for('static', filename='favicon.ico') }}">
<link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.3.0/font/bootstrap-icons.css">
  <!-- Custom Styles -->
<link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/css/bootstrap.min.css"
integrity="sha384-MCw98/SFnGE8fJT3GXwEOngsV7Zt27NXFoaoApmYm81iuXoPkFOJwJ8ERdknLPMO"
crossorigin="anonymous">
<link
href="https://fonts.googleapis.com/css2?family=Source+Code+Pro:wght@500&display=swap"
rel="stylesheet">
  <title>NewsToday 404</title>
</head>
```

```
 <body>
<nav class="navbar navbar-expand-md">
<a class="navbar-brand" href="/"><h2 style="font-family:'Source Code Pro',
monospace;">NewsToday</h2></a>
<button class="navbar-toggler navbar-light" type="button" data-toggle="collapse"
data-target="#main-
navigation">
  <span class="navbar-toggler-icon"></span>
</button>
<div class="collapse navbar-collapse" id="main-navigation">
  <ul class="navbar-nav">
    <li class="nav-item">
      <a class="nav-link" href="/">Home</a>
    </li>
    <li class="nav-item">
      <a class="nav-link" href="/sources">Sources</a>
    </li>
    <li class="nav-item">
      <a class="nav-link" href="/about">About me</a>
    </li>  
    <form action="{{ url_for('search') }}", method="post">
      <input type="text" name="searchBar" placeholder="Search news here">
      <button>Search</button>
    </form>
  </ul>
</div>
</nav>
<div class="card">
<img class="card-img-top" src="{{ url_for ('static', filename='404.jpg')}}" alt="Card
image cap">
<div class="card-body">
  <h5 class="card-title">404 Not Found</h5>
  <p class="card-text">You may entered wrong url manually. Click below button to
redirect to homepage</p>
  <a href="/" class="btn btn-primary">Go to homepage</a>
</div>
</div>
</body>
</html>
```

main.py

```python
from flask import Flask, render_template, url_for, send_from_directory, request
from requests import get
from os.path import join
app = Flask(__name__)
@app.route('/')
def index():
  #print(request.remote_addr)
  response1 = get("https://newsapi.org/v2/top-headlines?country=in", params =
{'apiKey' : 'Your API Key',
'category' : 'business'}).json()
  response2 = get("https://newsapi.org/v2/top-headlines?country=in", params =
{'apiKey' : 'Your API Key',
'category' : 'entertainment'}).json()
  response3 = get("https://newsapi.org/v2/top-headlines?country=in", params =
{'apiKey' : 'Your API Key',
'category' : 'general'}).json()
  response4 = get("https://newsapi.org/v2/top-headlines?country=in", params =
{'apiKey' : 'Your API Key',
'category' : 'health'}).json()
  response5 = get("https://newsapi.org/v2/top-headlines?country=in", params =
{'apiKey' : 'Your API Key',
'category' : 'science'}).json()
  response6 = get("https://newsapi.org/v2/top-headlines?country=in", params =
{'apiKey' : 'Your API Key',
'category' : 'sports'}).json()
  response7 = get("https://newsapi.org/v2/top-headlines?country=in", params =
{'apiKey' : 'Your API Key',
'category' : 'technology'}).json()
  return render_template('index.html', response1 = response1, response2 = response2,
response3 = response3, response4 = response4, response5 = response5, response6 =
response6, response7 = response7)

@app.route('/search', methods=['POST'])
def search():
  response = get("https://newsapi.org/v2/everything", params={'apikey' : 'Your API
Key', 'q' :
  request.form['searchBar']}).json()
  return render_template('search.html', response = response)


@app.route('/sources')
```

```python
def sources():
    response = get("https://newsapi.org/v2/sources", params = {'apiKey' : 'Your API
Key'}).json()
    return render_template('sources.html', name = response)


@app.route('/about')
def about():
    return render_template('about.html')


@app.errorhandler(404)
def page_not_found(e):
    return render_template('404.html'), 404


if __name__ == "__main__":
    app.run()
```