

WEB DEVELOPER ASSESSMENT TASK

FRONT-END DESIGN & API INTEGRATION

TASK: TOP STORIES PAGE DESIGN USING BOOTSTRAP UI

Using a New York Times API retrieves the top stories for that day. Design a front-end page that will display the stories based on the section(category) returned by the API URL. Use Collapse from bootstrap to display it according to the sections.

TASK DETAILS:

1. What are Top stories?

Top stories - a major story, running on the front page of a newspaper, the front page of a news website, or in the top headlines of a broadcast news programme.

2. How do I get top stories from New York Times?

Use the New York Times <https://developer.nytimes.com/>

Get started using the APIs in four steps:

A. Create an Account

If you don't already have an account create one:

1. Click [Sign In](#).
2. Click [Create account](#) and follow prompts to register.

B. Sign In

To sign in to the portal:

1. Click [Sign In](#).
2. Enter your email address and password.
3. Click **Sign In**.

C. Register apps

To register an app:

1. Select **My Apps** from the user drop-down.
2. Click + **New App** to create a new app.
3. Enter a name and description for the app in the **New App** dialog.
4. Click **Create**.
5. Click the **APIs** tab.
6. Click the access toggle to enable or disable access to an API product from the app.

D. Access the API keys

1. Select **My Apps** from the user drop-down.
2. Click the app in the list.
3. View the API key on the **App Details** tab.
4. Confirm that the status of the API key is Approved.

Note:

- I. Parameter **/ {section} .json** for particular section(category)
 Section Examples: arts, world, home, science, us
 URL Example:
<https://api.nytimes.com/svc/topstories/v2/arts.json?api-key=yourkey>
<https://api.nytimes.com/svc/topstories/v2/home.json?api-key=yourkey>
- II. **?api-key=YOURKEY** specifies key generated after the creation of your app.
<https://api.nytimes.com/svc/topstories/v2/{section}.json?api-key=yourkey>

3. How do I process the output?

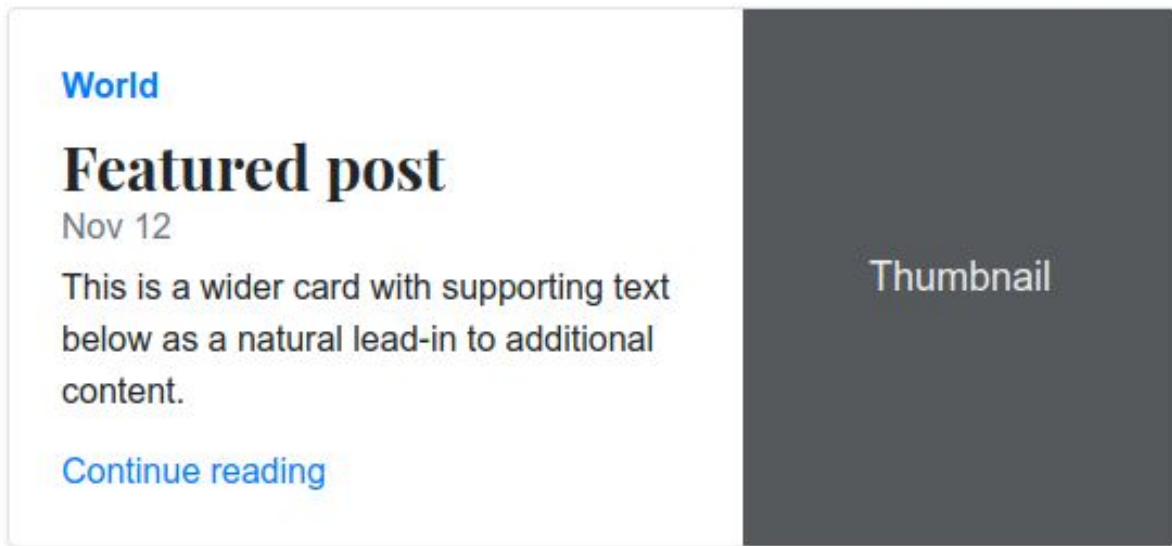
The above GET API call will return an HTTP response with its body type as JSON.

```
{copyright: "Copyright (c) 2020 The New York Times Company. All
Rights Reserved.",last_updated: "2020-05-06T10:01:43-04:00",
num_results: 32,results: (32) [{...}, {...}, {...}...]
section: "Arts", status: "OK"}
```

The “**results**” key in the JSON contains the list of arts sections. From each result of data display the following in the example image given below.

The following values need to be retrieved from JSON key “**results**”.

- | | |
|--|--------------|
| 1. Abstract | 2. Byline |
| 3. created date | 4. item type |
| 5. Section | 6. Title |
| 7. short URL to click and view the article | |
| 8. Inside of JSON data find the image name ends in articleInline.jpg | |



4. Any specification on the front-end design?

Preferred UI framework: Bootstrap

You're supposed to use only JavaScript.

Basic requirements:

- UI should be responsive.
- Use fonts wherever it's required in the design.
- Use icons wherever it's required in the design.
- This is a front-end task

5. How do I submit my work?

- Push all your work files to your Github(<https://github.com/>) and name your repository as **new york-times-api**.
- URL format has to be followed for both Github and Netlify.
 - <https://github.com/username/newyork-times-api>
 - <https://newyork-times-api.netlify.app>
- Deploy your web application in Netlify (<https://www.netlify.com>).
- In a text file add Netlify URL, Github repository URL, and last committed hash ID.

6. Any basic hints to solve?

<https://developer.nytimes.com/apis>

<https://getbootstrap.com/docs/4.4/getting-started/introduction/>

7. Terms and Conditions?

- You agree to not share this confidential document with anyone.
- You agree to open-source your code (it may even look good on your profile!). Do not mention our company's name anywhere in the code.
- We will never use your source code under any circumstances for any commercial purposes; this is just a basic assessment task.

NOTE: Any violation of Terms and conditions is strictly prohibited. You are bound to adhere to it.