

BACK END WEB DEVELOPMENT

CLASS 16 - API INTEGRATION 101

AGENDA

- REVIEW SYLLABUS
- PRACTICE READING API DOCUMENTATION
- LAB A: BUILD BETTERIT!
- LAB B: FINAL PROJECT LAB

API INTEGRATION

NEW YORK TIMES API

REDDIT

INSTALL NEW GEMS

```
#Add these to your gem file
```

```
gem "rails_config"  
gem "httparty"  
gem "json"
```

RAILS CONFIG

- DOCUMENTATION

https://github.com/railsconfig/rails_config

```
#run at the command line within your app folder
rails g rails_config:install
```

```
#!/initializers/rails_config.rb

RailsConfig.setup do |config|
  config.const_name = "Settings"
  config.use_env = true
end
```

```
#config/settings/settings.yml

host:  localhost:3000

nyt_api:
  api_key:  add your key here
  base_uri: http://api.nytimes.com
```

NEW YORK TIMES API

REQUEST AN API KEY



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[Overview](#)

[Available APIs](#)

[Keys](#)

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[Gallery](#)

[API Console](#)

Welcome

You already know that NYTimes.com is an unparalleled source of news and information. But now it's a premier source of data, too — why just read the news when you can hack it?

Getting Started

The Times Developer Network is our API clearinghouse and community. Here's how to get started:

1. Request an [API key](#)
2. Read the API [documentation](#), [FAQ](#) and [Terms of Use](#)
3. Use the [API Tool](#) to experiment without writing code
4. Browse the [application gallery](#)
5. Connect with other developers in the [forum](#)

To see your API keys and rate limits, visit the [Keys page](#).

Using The NYT APIs

[Terms of Use](#)

Before you can use New York Times APIs, you must agree to the Terms of Use.

[Attribution Guidelines and Restrictions](#)

NEW YORK TIMES API

EXPLORE THE ARTICLE SEARCH API ENDPOINT

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ARTICLE SEARCH API V2

[Requests](#)[Constructing a Search Query](#)[Examples](#)[Back to Top](#)[All APIs](#)[API Console](#)

Article Search API v2

With the Article Search API, you can search New York Times articles from Sept. 18, 1851 to today, retrieving headlines, abstracts, lead paragraphs, links to associated multimedia and other article metadata.

Note: In URI examples and field names, *italics* indicate placeholders for variables or values. Brackets [] indicate optional items. Parentheses () are not a convention — when URIs include parentheses, interpret them literally.

The Article Search API at a Glance	
Base URI	<code>http://api.nytimes.com/svc/search/v2/articlesearch</code>
HTTP method	GET
Response formats	JSON (<code>.json</code>), JSONP (<code>.jsonp</code>)
Quick links	Requests Constructing a Search Query Examples

Requests

URI STRUCTURE

Article Search requests use the following URI structure:

```
http://api.nytimes.com/svc/search/v2/articlesearch.response-format?q=search
term&fq=filter-field:(filter-term)&additional-params=values]&api-key=####
```

NEW YORK TIMES API

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LET'S PLAY AROUND!