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Class No. 8
The World
of
APIs

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Attendance!
Text your name to
646-699-3993

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Application **P**rogramming **I**nterface

**A way you or your program
can talk to other computers**

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Ask (Request)
Answer (Response)

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Request

```
http://api.nytimes.com/svc/politics/v3/us/  
legislative/congress/members/senate/NY/  
current.json?api-key=sample-key
```


Response

```
{
  "status": "OK",
  "copyright": "Copyright (c) 2014 The New York Times Company. All Rights Reserved.",
  "results": [
    {
      "id": "G000555",
      "name": "Kirsten E. Gillibrand",
      "role": "Senator, 1st Class",
      "gender": "F",
      "party": "D",
      "times_topics_url": "http://topics.nytimes.com/top/reference/timestopics/people/g/kirsten_gillibrand/index.html",
      "twitter_id": "",
      "youtube_id": "KirstenEGillibrand",
      "seniority": "5",
      "next_election": "2018",
      "api_url": "http://api.nytimes.com/svc/politics/v3/us/legislative/congress/members/G000555.json"
    },
    {
      "id": "S000148",
      "name": "Charles E. Schumer",
      "role": "Senator, 3rd Class",
      "gender": "M",
      "party": "D",
      "times_topics_url": "http://topics.nytimes.com/top/reference/timestopics/people/s/charles_e_schumer/index.html",
      "twitter_id": "chuckschumer",
      "youtube_id": "SenatorSchumer",
      "seniority": "15",
      "next_election": "2016",
      "api_url": "http://api.nytimes.com/svc/politics/v3/us/legislative/congress/members/S000148.json"
    }
  ]
}
```

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Use for Reference

Google Geocoder

NYT Congressional API

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Use for **Real-Time Info**

Forecast.io

Earthquakes







MTA Bus Info

Twitter

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The Weather for WNYC broadcast

Wednesday October 29

New York City	 Drizzle in the evening.	56	70
Garden City	 Light rain in the evening.	56	71
New Brunswick	 Mostly cloudy throughout the day.	52	69
White Plains	 Light rain in the evening.	54	69
Belmar	 Light rain starting in the evening.	55	69
Tom's River	 Light rain starting in the evening.	55	72

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Use for **Action**

Twilio (Phone calls)

Spark.io (Physical things)

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```
var accountSid = '~secret code~';
var authToken = "~secret key ~";
var client = require('twilio')(accountSid, authToken);

var numbers = ["+16465551212", "+19175551212"];

for (i = 0; i < numbers.length; i++ ) {

    placeCall(numbers[i]);

}

function placeCall(number) {
    client.calls.create({
        url: "http://project.wnyc.org/robocaller/playfile.xml",
        to: number,
        from: "+19177461123",
        method: "GET"
    }, function(err, call) {
        console.log(call.status);
    });
}
```

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