1. Open Weather Map

Моя програма буде працювати з Open Weather Map API для того, щоб отримувати прогноз погоди на 5 днів на кожні 3 години. Тому вона буде відсилати запити та отримувати відповіді у форматі Json.

Приклад запиту:

[api.openweathermap.org/data/2.5/forecast?q=London,us&mode=xml](http://samples.openweathermap.org/data/2.5/forecast?q=London,us&mode=xml&appid=b6907d289e10d714a6e88b30761fae22)

Приклад відповіді на запит:

{"city":{"id":1851632,"name":"Shuzenji",

"coord":{"lon":138.933334,"lat":34.966671},

"country":"JP",

"cod":"200",

"message":0.0045,

"cnt":38,

"list":[{

"dt":1406106000,

"main":{

"temp":298.77,

"temp\_min":298.77,

"temp\_max":298.774,

"pressure":1005.93,

"sea\_level":1018.18,

"grnd\_level":1005.93,

"humidity":87,

"temp\_kf":0.26},

"weather":[{"id":804,"main":"Clouds","description":"overcast clouds","icon":"04d"}],

"clouds":{"all":88},

"wind":{"speed":5.71,"deg":229.501},

"sys":{"pod":"d"},

"dt\_txt":"2014-07-23 09:00:00"}

]}

2) Google Maps API

Приклад запиту:

<https://maps.googleapis.com/maps/api/geocode/json?address=1600+Amphitheatre+Parkway,+Mountain+View,+CA&key=YOUR_API_KEY>

Приклад відповіді на запит:

{

"results" : [

{

"address\_components" : [

{

"long\_name" : "1600",

"short\_name" : "1600",

"types" : [ "street\_number" ]

},

{

"long\_name" : "Amphitheatre Pkwy",

"short\_name" : "Amphitheatre Pkwy",

"types" : [ "route" ]

},

{

"long\_name" : "Mountain View",

"short\_name" : "Mountain View",

"types" : [ "locality", "political" ]

},

{

"long\_name" : "Santa Clara County",

"short\_name" : "Santa Clara County",

"types" : [ "administrative\_area\_level\_2", "political" ]

},

{

"long\_name" : "California",

"short\_name" : "CA",

"types" : [ "administrative\_area\_level\_1", "political" ]

},

{

"long\_name" : "United States",

"short\_name" : "US",

"types" : [ "country", "political" ]

},

{

"long\_name" : "94043",

"short\_name" : "94043",

"types" : [ "postal\_code" ]

}

],

"formatted\_address" : "1600 Amphitheatre Parkway, Mountain View, CA 94043, USA",

"geometry" : {

"location" : {

"lat" : 37.4224764,

"lng" : -122.0842499

},

"location\_type" : "ROOFTOP",

"viewport" : {

"northeast" : {

"lat" : 37.4238253802915,

"lng" : -122.0829009197085

},

"southwest" : {

"lat" : 37.4211274197085,

"lng" : -122.0855988802915

}},

"place\_id" : "ChIJ2eUgeAK6j4ARbn5u\_wAGqWA",

"types" : [ "street\_address" ]

}

],

"status" : "OK"

}