// other User model methods

}

How it works...

Once the identity class implements the required interface, Yii will automatically use

[ [yii\filters\RateLimiter] ] configured as an action filter for [[yii\rest\controller]] to perform a rate limiting check. We’ve also added the 'authenticator' behavior with the QueryParamAuth class. So, we are now able to authenticate with just an access token passed through a query parameter. You can add any authentication method that is described in the official guide in the RESTful web services section.

Let’s explain our methods. They are pretty easy to understand.

getRateLimit (): This returns the maximum number of allowed requests and the time period (example, [100, 600] means there can be at most 100 API calls within 600 seconds) loadAllowance(): This returns the number of remaining requests allowed and the corresponding UNIX timestamp when the rate limit was last checked

saveAllowance(): This saves both the number of remaining requests allowed and the current UNIX timestamp

We store our data in the MySQL database. For performance, you might use a NoSQL database or another storage system with a higher time to get and load data.

Now let’s try to check the rate limit feature. Run this in the console:

curl -i "<http://yii-book.app/films?access-token=100-token>"

You will get the following output:

HTTP/1.1 200 OK

Date: Thu, 24 Sep 2015 01:35:51 GMT Server: Apache X-Powered-By: PHP/5.5.23

Set-Cookie: PHPSESSID=495a928978cc732bee853b83f521eba2; path=/; HttpOnly Expires: Thu, 19 Nov 1981 08:52:00 GMT

Cache-Control: no-store, no-cache, must-revalidate, post-check=0, pre-check=0

Pragma: no-cache

X-Rate-Limit-Limit: 5

X-Rate-Limit-Remaining: 4

X-Rate-Limit-Reset: 0

X-Pagination-Total-Count: 5

X-Pagination-Page-Count: 1

X-Pagination-Current-Page: 1

X-Pagination-Per-Page: 20

Link: <http: //yii-book.app/films?access-token=100-token&page=1>; rel=self Content-Length: 301

Content-Type: application/json; charset=UTF-8

[{"id":1,"title":"Interstellar","release\_year":2014},{"id":2,"title":"Harry Potter and the Philosopher's Stone","release\_year":2001},{"id":3,"title":"Back to the Future","release\_year":1985},{"id":4,"title":"Blade Runner","release\_year":1982}, {"id":5,"title":"Dallas Buyers Club","release\_year":2013}]