Authentication

In this recipe will have the authentication model set up.

Getting ready

Repeat all steps from the Creating a REST server recipe in Getting ready and How to do it sections.

How to do it...

1. Modify @app/controllers/FilmController to the following:

<?php

namespace app\controllers;

use app\models\User;  
use Yii;

use yii\helpers\ArrayHelper;

use yii\rest\ActiveController;

use yii\filters\auth\HttpBasicAuth;

class FilmController extends ActiveController  
{

public $modelClass = 'app\models\Film';

public function behaviors()

{

return ArrayHelper::merge(parent::behaviors(),[

'authenticator' => [

'authMethods' => [

'basicAuth' => [

'class' =>HttpBasicAuth::className(),

'auth' => function ($username,$password) {

$user =User::findByUsername($username);

if ($user !== null && $user-  
>validatePassword($password)){

return $user;

}

return null;

},

]

]

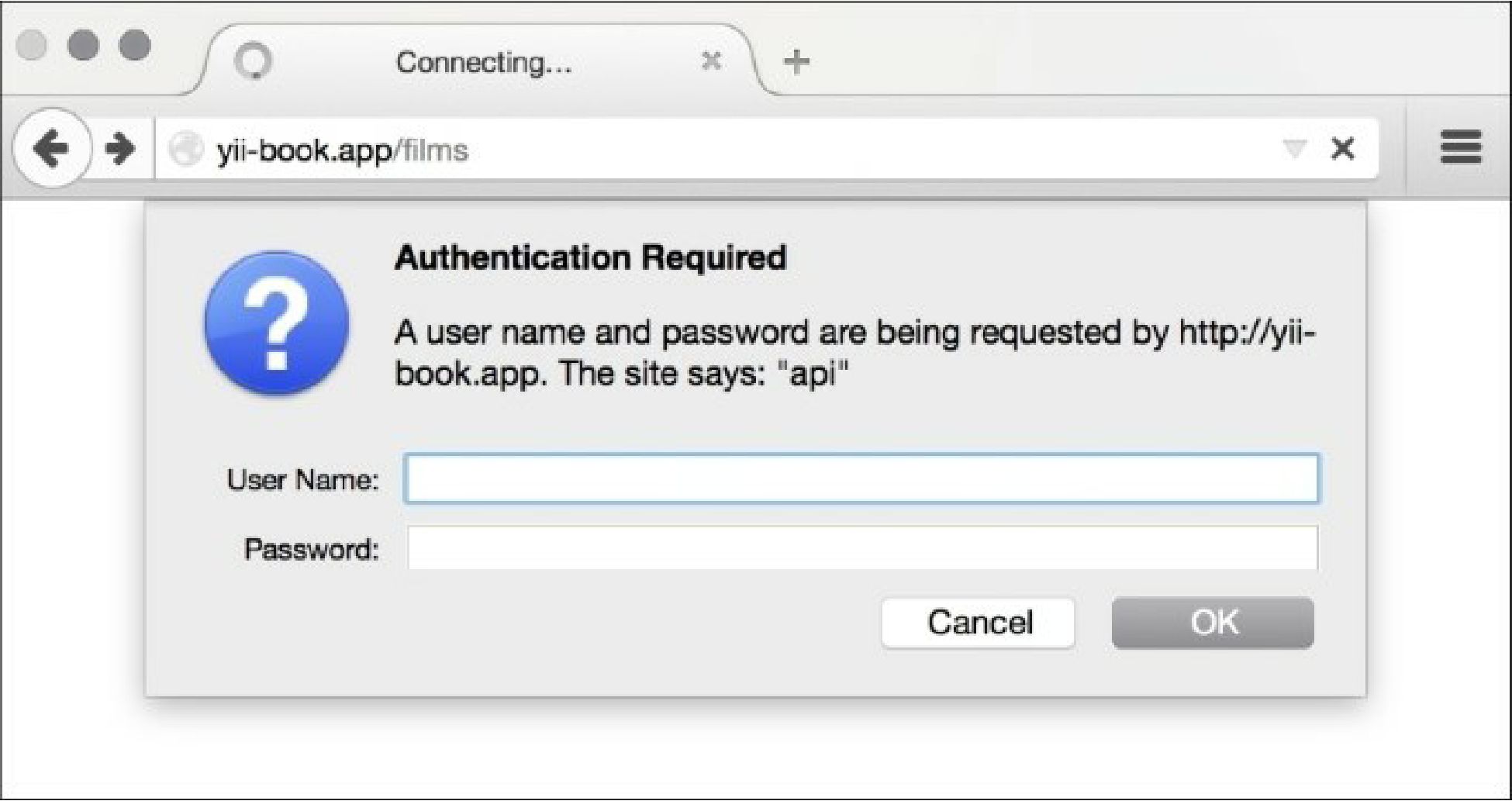
]

]);

}

}

Open http: //yii-book. app/films in a browser and make sure that we configure HTTP Basic  
Authentication:



Let’s try to authenticate. Run this in the console:

curl -i -H "Accept:application/json" "<http://yii-book.app/films>"

And you will get the following:

HTTP/1.1 401 Unauthorized  
Date: Thu, 24 Sep 2015 01:01:24 GMT  
Server: Apache  
X-Powered-By: PHP/5.5.23  
Www-Authenticate: Basic realm="api"

Content-Length: 149

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

{"name":"Unauthorized","message":"You are requesting with an invalid  
credential.","code":0,"status":401,"type":"yii\\web\\UnauthorizedHttpException"}

1. And now try auth with curl:

curl -i -H "Accept:application/json" -u admin:admin "<http://yii-book.app/films>"

1. You should then get a response that looks like this:

HTTP/1.1 200 OK

Date: Thu, 24 Sep 2015 01:01:40 GMT  
Server: Apache  
X-Powered-By: PHP/5.5.23

Set-Cookie: PHPSESSID=8b3726040bf8850ebd07209090333103; 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-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?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}]

How it works...

We’ve also added the authenticator behavior to the HttpBasicAuth class, so we will be able to  
authenticate with just a login and password. You might implement any authentication method that is  
described in the official guide in the RESTful web services section.

There’s more.

There are different ways to send an access token:

* HTTP Basic Auth
* Query parameter
* OAuth

Yii supports all of these authentication methods.

See also

For further information, refer to [http://www.yiiframework.com/doc-2.0/guide-rest-ratp-limiting.html](http://www.yiiframework.com/doc-2.0/guide-rest-rate-limiting.html).