Error handling

Sometimes you may want to customize the default error response format. For example, we need to know  
the response timestamp and whether the response is successful. Frameworks provide an easy way to do  
this.

Getting ready

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

How to do it...

To achieve this goal, you can respond to the beforeSend event of the response component in  
@app/config/web.php, as follows:

' response' => [

'class' => 'yii\web\Response',

'on beforeSend' => function ($event) {

$response = $event->sender;  
if ($response->data !== null) {

$response->data = [

'success' => $response->isSuccessful,

'timestamp' => time(),

'path' => Yii::$app->request->getPathInfo(),

'data' => $response->data,

];

}

},

],

How it works.

To learn what happens in this code, let’s play a bit with it. First, run this in console:

curl -i "<http://yii-book.app/films/1>"

You will get the following output:

HTTP/1.1 200 OK

Date: Thu, 24 Sep 2015 04:24:52 GMT  
Server: Apache  
X-Powered-By: PHP/5.5.23  
Content-Length: 115

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

{"success":true, "timestamp":1443068692, "path":"films/1", "data":

{"id":1,"title":"Interstellar","release\_year":2014}}

Secondly, run this in your console:

curl -i "<http://yii-book.app/films/1000>"

And you will get the following:

HTTP/1.1 404 Not Found

Date: Thu, 24 Sep 2015 04:24:26 GMT

Server: Apache

X-Powered-By: PHP/5.5.23

Content-Length: 186

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

{"success"false, "timestamp":1443068666, "path":"films/1000","data":{"name":"Not  
Found","message":"Object not found:

1000","code":0,"status":404,"type":"yii\\web\\NotFoundHttpException"}}

We’ve changed the response content before sending. That way, it is easy to define whether the response  
is successful or not.

See also

For further information, refer to [http://www.viiframework.com/doc-2.0/guide-rest-error-handling.html](http://www.yiiframework.com/doc-2.0/guide-rest-error-handling.html).