**Restful API**

**Module.config.php**

<?php

return array(

'controllers' => array(

'invokables' => array(

'AlbumRest\Controller\AlbumRest' => 'AlbumRest\Controller\AlbumRestController',

),

),

'router' => array(

'routes' => array(

'album-rest' => array(

'type' => 'Segment',

'options' => array(

'route' => '/album-rest[/:id]',

'constraints' => array(

'id' => '[0-9]+',

),

'defaults' => array(

'controller' => 'AlbumRest\Controller\AlbumRest',

),

),

),

),

),

'view\_manager' => array(

'strategies' => array(

'ViewJsonStrategy',

),

),

);

//**controller**

<?php

namespace AlbumRest\Controller;

use Zend\Mvc\Controller\AbstractRestfulController;

use Zend\View\Model\JsonModel;

use Album\Form\AlbumForm;

use Album\Model\Album;

/\*\*

\* AlbumRest

\*/

class AlbumRestController extends AbstractRestfulController

{

protected $albumTable;

protected $result;

public function \_\_construct()

{

$this->result = array(

'status' => 'fail',

'data' => null,

'message' => null

);

}

// GET: album-rest

public function getList()

{

$results = $this->getAlbumTable()->fetchAll();

$data = array();

foreach($results as $result) {

$data[] = $result;

}

$this->result['status'] = 'ok';

$this->result['data'] = $data;

return new JsonModel($this->result);

}

// GET: album-rest/:id

public function get($id)

{

$album = $this->getAlbumTable()->getAlbum($id);

if ($album) {

$this->result['status'] = 'ok';

$this->result['data'] = $album;

} else {

$this->result['message'] = 'Album id ' . $id . ' not found';

}

return new JsonModel($this->result);

}

// POST: album-rest

public function create($data)

{

$data['id'] = '';

$form = new AlbumForm();

$album = new Album();

$form->setInputFilter($album->getInputFilter());

$form->setData($data);

if ($form->isValid()) {

$album->exchangeArray($form->getData());

$id = $this->getAlbumTable()->saveAlbum($album);

if ($id) {

$this->result['status'] = 'ok';

$this->result['data'] = $album;

} else {

$this->result['message'] = 'Count not create new album';

}

} else {

$this->result['message'] = 'Error data';

}

return new JsonModel($this->result);

}

// PUT:

/\*

\* data is Form att

\*/

public function update($id, $data)

{

$data['id'] = $id;

$album = $this->getAlbumTable()->getAlbum($id);

if ($album) {

$form = new AlbumForm();

$form->bind($album);

$form->setInputFilter($album->getInputFilter());

$form->setData($data);

if ($form->isValid()) {

$idResult = $this->getAlbumTable()->saveAlbum($form->getData());

if ($idResult) {

$this->result['status'] = 'ok';

$this->result['message'] = 'Complete Update Album id ' . $id;

// $this->result['data'] = $album;

} else {

$this->result['message'] = 'Count not update album id ' . $id;

}

} else {

$this->result['message'] = 'Error form data';

}

} else {

$this->result['message'] = 'Album Id ' . $id . ' not found';

}

return new JsonModel($this->result);

}

// DELETE: album-rest/:id

public function delete($id)

{

$album = $this->getAlbumTable()->getAlbum($id);

if ($album) {

$this->getAlbumTable()->deleteAlbum($id);

$this->result['status'] = 'ok';

$this->result['message'] = 'Complete deleted Album id ' . $id;

} else {

$this->result['message'] = 'Album Id ' . $id . ' not found';

}

return new JsonModel($this->result);

}

public function getAlbumTable()

{

if (!$this->albumTable) {

$sm = $this->getServiceLocator();

$this->albumTable = $sm->get('Album\Model\AlbumTable');

}

return $this->albumTable;

}

}

//request

//getList

GET: album

//get album id ~ get(id)

GET: album/:id

//create new album ~ create($data)

POST: album

//update album id ~ update($id, $data)

PUT: album/:id

//delete album id ~ delete($id)

DELETE: album/:id

$.ajax({

type: 'POST',

url: './../album-rest',

dataType: 'json',

data: {

title: ‘’,

artist: ‘’

},

success: function(result) {

var error = $('#error');

if (result.status == 'ok') {

alert('Success added Album');

window.location = './../album';

} else {

error.show();

error.html(result.message);

}

},

error: function() {

console.log('Error');

}

});