SwiftMailer e-mail library

Many web applications need to send notifications and confirm client actions by e-mail for security reasons.  
The Yii2 framework provides a wrapper, yiisoft/yii2 - swiftmailer, for the established library  
SwiftMailer.

Getting ready

Create a new application by using composer, as described in the official guide at  
<http://www.yiiframework.com/doc-2.0/guide-start-installation.html>.

Both basic and advanced applications contain this extension out of the box.

How to do it...

Now we will try to send any kind of e-mails from our own application.

Sending plain text e-mails

1. Set the mailer configuration into the config/console. php file:

'components' => [

// ...

'mailer' => [

'class' => 'yii\swiftmailer\Mailer',

'useFileTransport' => true,

],

// ...

],

1. Create a test console controller, MailController, with the following code:

<?php

namespace app\commands;

use yii\console\Controller;  
use Yii;

class MailController extends Controller  
{

public function actionSend()

{

Yii::$app->mailer->compose()

->setTo('to@yii-book.app')

->setFrom(['from@yii-book.app' => Yii::$app->name])

->setSubject('My Test Message')

->setTextBody('My Text Body')

->send();

}

}

1. Run the following console command:

php yii mail/send

1. Examine your runtime/mail directory. It should contain files with your mails.

Note

Note: Mail files contain messages in the special e-mail source format, compatible with any mailing  
software. You can open this field as a plain text too.

1. Set the useFileTransport parameter as false or remove this string from the configuration:  
   'mailer' => [

'class' => 'yii\swiftmailer\Mailer',

],

Then put your real e-mail ID into the setTo () method:

->setTo('my@real-email.com')

1. Run the console command again:

php yii mail/send

1. Check your inbox directory.

Note

Note: SwiftMailer uses a standard PHP function, mail(), for sending mails by default. Please check that  
your server is correctly configured for sending mails via the mail() function.

Many mail systems reject mails without DKIM and SPF signatures (sent by the mail() function as  
example) or put them into a Spam folder.

Sending HTML content

1. Check that your application contains the mail/layouts/html. php file and add the  
   mail/layouts/text. php file with the following content:

<?php

/\* @var $this \yii\web\View \*/

/\* @var $message \yii\mail\MessageInterface \*/

/\* @var $content string \*/

?>

<?php $this->beginPage() ?>

<?php $this->beginBody() ?>

<?= $content ?>

<?php $this->endBody() ?>

<?php $this->endPage() ?>

1. Create your own view in the mail/message-html.php file:

<?php

use yii\helpers\Html;

/\* @var $this yii\web\View \*/

/\* @var $name string \*/

?>

<p>Hello, <?= Html::encode($name) ?>!</p>

Create a mail/message-text .php file with the same content, but without HTML tags:

<?php

use yii\helpers\Html;

/\* @var $this yii\web\View \*/

/\* @var $name string \*/

?>

Hello, <?= Html::encode($name) ?>!

1. Create a console controller, Mailcontroller, with the following code:

<?php

namespace app\commands;

use yii\console\Controller;  
use Yii;

class MailController extends Controller  
{

public function actionSendHtml()

{

$name = 'John';

Yii::$app->mailer->compose('message-html',['name' => $name])  
->setTo('to@yii-book.app')

->setFrom(['from@yii-book.app' => Yii::$app->name])  
->setSubject('My Test Message')

->send();

}

public function actionSendCombine()

{

$name = 'John';

Yii::$app->mailer->compose(['html' =>

'message-html', 'text' => 'message-text'], [

'name' => $name,

])

->setTo('to@yii-book.app')

->setFrom(['from@yii-book.app'

=> Yii::$app->name])

->setSubject('My Test Message')

->send();

}

}

1. Run the following console commands:

php yii mail/send-html  
php yii mail/se  
nd-combine

Working with SMTP transport

1. Set the transport parameter for the mailer component like this:

'mailer' => [

'class' => 'yii\swiftmailer\Mailer',

'transport' => [

'class' => 'Swift\_SmtpTransport',

'host' => 'smtp.gmail.com',

'username' => 'username@gmail.com',

'password' => 'password',

'port' => '587',

'encryption' => 'tls',

],

],

1. Write and run the following code:

Yii::$app->mailer->compose()

->setTo('to@yii-book.app')

->setFrom('username@gmail.com')

->setSubject('My Test Message')

->setTextBody('My Text Body')

->send();

1. Check your Gmail inbox.

Note

Note: Gmail automatically rewrites the From field to your default profile e-mail ID, but other e-mail  
systems do not do the same. Always use an identical e-mail ID in the transport configuration and in the  
setFrom() method for passing antispam policies for other e-mail systems.

Attaching file and embedding images

Add the corresponding method to attach any file to your mail:

class MailController extends Controller  
{

public function actionSendAttach()

{

Yii::$app->mailer->compose()

->setTo('to@yii-book.app' )

->setFrom(['from@yii-book.app' => Yii::$app->name])

->setSubject('My Test Message')

->setTextBody('My Text Body')

->attach(Yii::getAlias('@app/README.md'))

->send();

}

}

Or use the embed () method in your e-mail view file to paste an image in your e-mail content:

<img src="<?= $message->embed($imageFile); ?>">

It automatically attaches an image file and inserts its unique identifier.

How it works...

The wrapper implements the base \yii\mail\MailerInterface. Its compose() method returns a  
message object (an implementation of \yii\mail\MessageInterface).

You can manually set plain text and HTML contents with the help of methods setTextBody() and  
setHtmlBody(), or you can pass your view and view parameters into the compose() method. In this case,  
the mailer calls the \yii\web\view: : render() method for rendering corresponding content.

The useFileTransport parameter stores mails in files instead of real sending. It is helpful for local  
development and application testing.

See also

* For more information about the yii2 - swiftmailer extension, visit the following guides:

° [http://www.yiiframework.com/doc-2.0/guide-tutorial-mailing.ht.ml](http://www.yiiframework.com/doc-2.0/guide-tutorial-mailing.html)  
° <http://www.yiiframework.com/doc-2.0/ext-swiftmailer-index.html>

* In order to learn more about the original swiftMailer library, refer to the following URLs:

o <http://swiftmailer.org/docs/introduction.html>  
° [https ://github.com/swiftma iler/swiftma iler](https://github.com/swiftmailer/swiftmailer)