Complex forms with multiple models

When dealing with some complex data, it is possible that you may need to use multiple different models to collect the user input. For example, you have an order form with user information such as first name, last name, and phone number; you also have a delivery address and some kind of product.

You would like to save all this data in one form. With Yii models and support forms, you can easily do this. Assuming that the user info will be stored in the user table and in the order form, we will save product information and the user\_id of the user who has ordered a product. We also have a product table with some information in it.

Getting ready

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

2. Create migrations for contest and prize tables with the following commands:

./yii migrate/create create\_order\_tables

3. Update the newly-created migration’s up() and down () methods with the following code:

<?php

use yii\db\Schema; use yii\db\Migration; use app\models\Product;

class m150813\_161817\_create\_order\_form\_tables extends Migration {

public function up()

{

$tableOptions = null;

if ($this->db->driverName === 'mysql') {

$tableOptions = 'CHARACTER SET utf8 COLLATE utf8\_general\_ci ENGINE=InnoDB';

}

$this->createTable('user', [

'id' => Schema::TYPE\_PK,

'first\_name' => Schema::TYPE\_STRING . ' NOT NULL',

'last\_name' => Schema::TYPE\_STRING . ' NOT NULL',

'phone' => Schema::TYPE\_STRING . ' NOT NULL',

], $tableOptions);

$this->createTable('product', [

'id' => Schema::TYPE\_PK,

'title' => Schema::TYPE\_STRING . ' NOT NULL',

'price' => Schema::TYPE\_FLOAT . '(6,2) ',

], $tableOptions);

$this->createTable('order', [

'id' => Schema::TYPE\_PK,

'user\_id' => Schema::TYPE\_INTEGER . ' NULL',

'address' => Schema::TYPE\_STRING . ' NOT NULL',

'product\_id' => Schema::TYPE\_INTEGER . ' NOT NULL',

], $tableOptions);

$product1 = new Product();

$product1->title = 'Iphone 6';

$product1->price = 400.5;

$product1->save();

$product3 = new Product();

$product3->title = 'Samsung Galaxy Note 5';