

# Create simple report with export CSV

This is generic Yii code to generate a simple report from an SQL query. The query has no parameters.

## QueryController.php

The last method/function needs to be changed. The method can also be copied as much as needed.

Change the code that is labeled with < and > in the last function.

Open the controller the usual way: query/<name of action>

```
<?php

namespace app\controllers;

use Yii;
use app\models\Resultaat;
use yii\web\Controller;
use yii\web\NotFoundHttpException;
use yii\filters\VerbFilter;

use yii\filters\AccessControl;

use yii\helpers\ArrayHelper;

/**
 * BeoordelingController implements the CRUD actions for Beoordeling model.
 */
class QueryController extends Controller
{
    /**
     * {@inheritdoc}
     */
}
```

```

*/
public function behaviors()
{
    return [
        'verbs' => [
            'class' => VerbFilter::className(),
            'actions' => [
                'delete' => ['POST'],
            ],
        ],
        'access' => [
            'class' => AccessControl::className(),
            'rules' => [
                // when logged in, any user
                [ 'actions' => [],
                    'allow' => true,
                    'roles' => ['@'],
                ],
            ],
        ],
    ];
}

private function executeQuery($sql, $title="no title", $export=false) {

    $result = Yii::$app->db->createCommand($sql)->queryAll();

    if ($result) { // column names are derived from query results
        $data['col']=array_keys($result[0]);
    }
    $data['row']=$result;

    if ($export) {
        $this->exportExcel($data);
    } else {
        $data['title']=$title;
        return $data;
    }
}

```

```
}
```

```
public function exportExcel($data) {  
    header('Content-type: text/csv');  
    header('Content-Disposition: attachment; filename="canvas-export' . date('YmdHi') . '.csv"');  
  
    foreach ($data['col'] as $key => $value) {  
        echo $value.", ";  
    }  
    echo "\n";  
    foreach ($data['row'] as $line) {  
        foreach ( $line as $key => $value) {  
            echo $value.", ";  
        }  
        echo "\n";  
    }  
}
```

```
public function action<Naam>($sort='desc', $export=false) {  
  
    // sort parameter is optional, export parameter determines if export to CSV needs to be given  
    // specify query  
    $sql="select column1 Header1, column2 Header2,.... from .... order by 3 $sort";  
  
    // specify report title  
    $data=$this->executeQuery($sql, <rapport title>, $export);  
  
    // specify sub title (descr, can also be omitted).  
    return $this->render('output', [  
        'data' => $data,  
        'action' => Yii::$app->controller->action->id,  
        'descr' => <optionele sub tekst onder title>,  
    ]);  
}
```

## View

The view does not need any adaptations.

```
<?php
use yii\helpers\Url;
use yii\helpers\Html;

$nr=0;

?>

<div class="card" style="width: 900px">


    <div class="container">

        <div class="row align-items-center">

            <div class="col">

                <h1><?= Html::encode($data['title']) ?></h1>

                <?php
                    if (isset($descr)) {
                        echo "<small>".$descr."</small>";
                    }
                ?>

            </div>

            <div class="col-md-auto">

                <?= Html::a('Export', [$action.'?export=1'], ['class'=>'btn btn-primary', 'title'=>'Export to CSV',]) ?>

            </div>

        </div>

    </div>

    <p></p>

    <div class="card-body">

        <table class="table">

            <thead>

                <tr>

                    <?php
                        if ( ! isset($nocount) ) echo "<td>#</td>";
                        if ( $data['row'] ) {
                            for($i=0;$i<count($data['col']);$i++) {
                                echo "<th>".$data['col'][$i]."</th>";
                            }
                        }
                    ?>
```

```
        } else {
            echo "<td>Empty result set</td>";
        }
    ?>
</thead>

<?php
    if ( $data['row'] ) {
        foreach($data['row'] as $item) {
            if ( ! isset($nocount) ) {
                $nr++;
                echo "<tr>";
                echo "<td>".$nr."</td>";
            }
            for($i=0;$i<count($data['col']);$i++) {
                echo "<td>".$item[$data['col'][$i]]."</td>";
            }
            echo "</tr>";
        }
    }
    ?>
</table>
</div>
</div>
```

Revision #3

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