

ex06_SoaGatewaySpecial_SubDescriptor.php

```
<?php

/*
 * This example demonstrates usage of the "list" function exposed by any
 * Adabas SOA Gateway "WebService" from PHP, retrieving selected records
 * from the Adabas demo file "Employees", and formatting it, in 4 easy steps.
 */

/*
 * Step 1: Instantiate the PHP "SoapClient" class
 */
try {
    $soapclient = new SoapClient("http://localhost:8022/adabas_Employees_special?WSDL");
} catch (SoapFault $soapfault) {
    echo "<pre>";
    print_r($soapfault);
    echo "</pre>";
    return;
}

/*
 * Step 2: Build the key ("descriptor") array, due to parser requirements ALL
 * key elements need to be specified, but elements may be left empty
 * when unused. Here we are using the SUB-descriptor "department".
 */
$listkey = array(
    'personnel_id' => "",
    'first_name'   => "",
    'name'         => "",
    'birthday'     => "",
    'city'         => "",
    'dept' => "",
    'job_title'    => "",
    'language_spoken' => "",
    'leave_left'   => "",
    'dept_person'  => "",
    'currency_salary' => "",
    'department'   => array('dept' => "MGMT"),
    'phonetic_name' => "");

/*
 * Step 3: Execute the "list" request, passing the key array as the only parameter,
 * the response object will consist of an "adabasEmployees" element containing
 * an array of "adabasEmployee" elements.
 */
try {
    $listresponse = $soapclient->list($listkey);
} catch (SoapFault $soapfault) {
    echo "<pre>";
    print_r($soapfault);
    echo "</pre>";
    return;
}

/*
 * Step 4: Format the Employee records nicely into a HTML table.
 */

echo "Find all Employees in department group \"MGMT\" - using an Adabas SUB-Descriptor<br><br>";
echo "<table border=1 cellpadding=5>";
echo "<tr><th>Personnel Id</th><th>Name</th><th>First Name</th><th>City</th><th>Department</th>";

/*
 * Loop through all "adabasEmployee" elements, creating a table row for every single one
 */
foreach ($listresponse->adabasDemoEmployeesSpecial->demoEmployeeSpecial as $Employee) {
    echo "<tr><td>$Employee->personnel_id</td><td>$Employee->name</td><td>";
    echo "$Employee->first_name</td><td>$Employee->city</td><td>$Employee->department_code</td>";
    echo "</td></tr>";
}

/*
 * Proceed to ex03_SoaGatewayEmpAdd.php - Add a new employee record
 */
?>
```