



OBJECTIF LUNE

# PrintShop Web

## Web Integration Guide



**PrintShop Web Web Integration Guide**

Document version: PSW 2.1 R3250

Date: October, 2007

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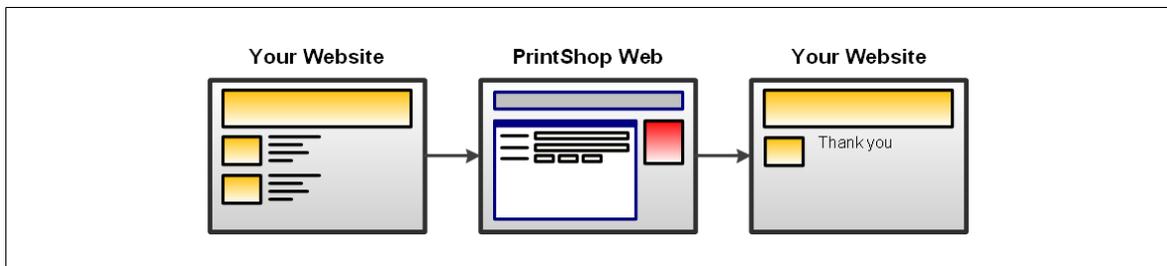
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# Introduction

With the introduction of version 2.0 the PrintShop Web (PSW) web site is fully *skinnable*, everything except the actual textual content of the page can - and will - vary from skin to skin. By combining the powerful skinning engine with custom web development, new features can be added and new workflows implemented. System integrators and web developers can create custom login forms, create custom store front pages and redirect visitors to specific pages in PrintShop Web.

These options are very useful for web sites or portals that requires a user to logon. By re-using login details, the visitor no longer needs to enter login details for a second time to access PSW (so called *underwater login*). The administrator should make sure that the correct account information is available in PSW and that proper identifiers are used in the communication between the two systems.



## ***PrintShop Web integration***

This document assumes you have basic understanding of HTML and the PHP scripting language.

# Integration methods

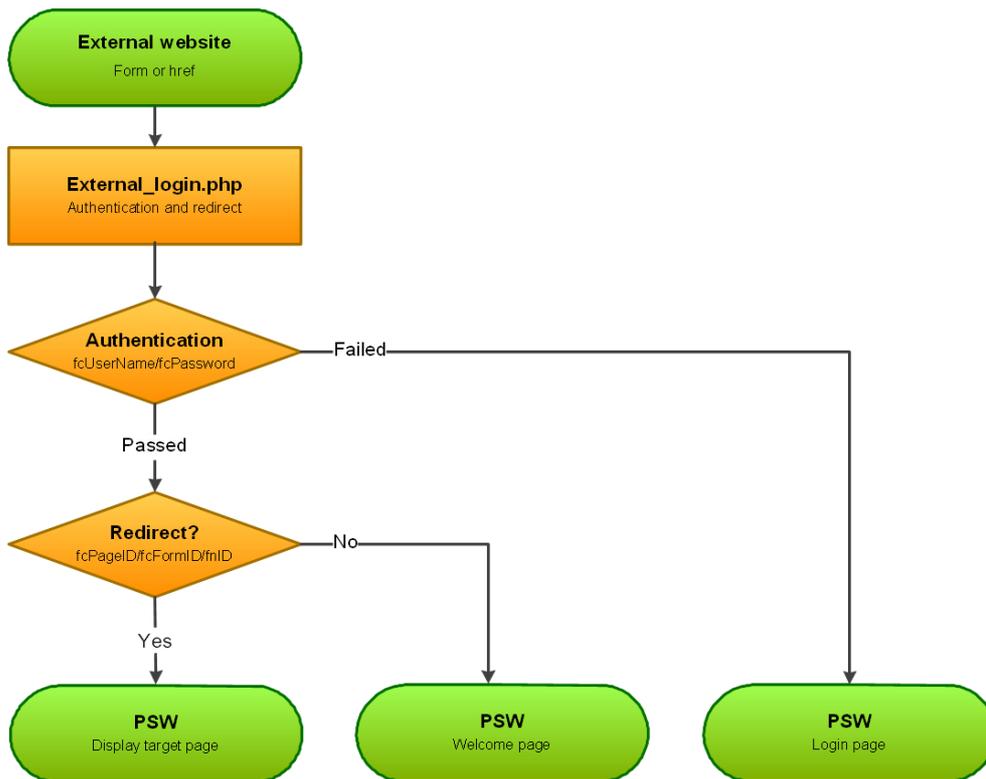
This chapter describes the *underwater login* mechanisms supported by PSW. In all scenarios user name and password information is send to PSW. This information is used to authenticate the account and optionally redirected the web site.

The *underwater login* procedure begins when a login request to PSW is made from any Internet or Intranet website. In order to instantiate the underwater login, the request can be made to either of the files mentioned below. The call can include POST or GET parameters which are explained in the following sections:

- **external\_login.php**, used for basic authentication and browser redirection
- **external\_person\_access.php**, used for account authentication

The *external\_person\_access.php* file is used solely to authenticate a user account and is typically used to create a custom login form. The file returns an encrypted password on success (the encrypted password is also accepted by the *external\_login.php* file)

*External\_login.php* performs account authentication but its main purpose is to redirect the web browser to a specific page in PSW and instantiate the correct skin.



**Underwater login page flow**

## External login

The *external\_login.php* file handles the authentication and forwards any parameters included in the request (POST or GET). If the authentication fails the PSW login page will be shown. Optional parameters are used to redirect the web browser to a specific PSW web page and to set the skin.

The *external\_login.php* file requires the following attributes in order to authenticate the user:

- **fcUserName**, the login name
- **fcPassword**, the users password

The following attributes are optional:

- **fcPageID**, used to redirect the user to a specific page.
- **fnID**, used to send a unique ID to PSW allowing to retrieve the information of a specific template or order.
- **fcFormID**, used to redirect the user to a specific edit or submission page. Example: To show the user input/database input page of a template you will need to call the *preview\_init\_form* form and specify the unique ID of the template in the *fnID* parameter. The *preview\_init\_form* retrieves all information of that template in order to show the correct information in the web browser.
- **fcWebDesign**, this parameter lets you toggle the skin of the web site. The value of this parameter should match the *Design name* which can be setup in the *Web Design* section of a company.

When no *fcPageID* or *fcFormID* is specified the site will be directed to the PSW *Welcome* page. The *fnID* parameter is used in conjunction with the *fcPageID* or *fcFormID* parameters. When no *fcWebDesign* parameter is stated the system default skin will be used.

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**Note:** For security reasons it is recommended to pass parameters to *external\_login.php* via a POST request over HTTPS.

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## Example

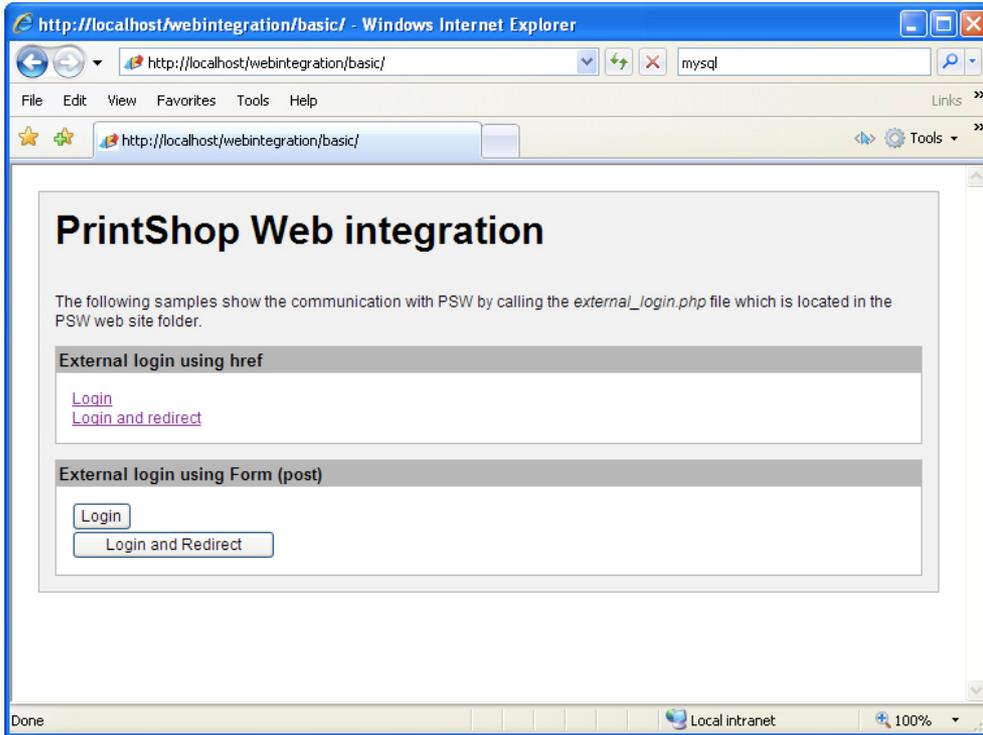
Examples are included with your PSW installation and can be found in the *webintegration* folder of the PSW web site folder. The sample below is taken from the *index.php* stored in the *basic* folder.

```
<!-- Sample href -->
<a href="external_login.php?fcUserName=administrator&fcPassword=administrator">Login</a>

<!-- Href with redirect -->
<a href="external_login.php?fcUserName=administrator&fcPassword=administrator&
fcPageID=storefront_overview">Login</a>
```

```
<!-- Sample form -->
<form method="POST" action="external_login.php">
  <input type="hidden" name="fcUserName" value="administrator"/>
  <input type="hidden" name="fcPassword" value="administrator"/>
  <input type="submit" value="Login"/>
</form>

<!-- Sample form including redirect -->
<form method="POST" action="/external_login.php">
  <input type="hidden" name="fcUserName" value="administrator"/>
  <input type="hidden" name="fcPassword" value="administrator"/>
  <input type="hidden" name="fcPageID" value="storefront_overview"/>
  <input type="submit" value="Login and Redirect"/>
</form>
```

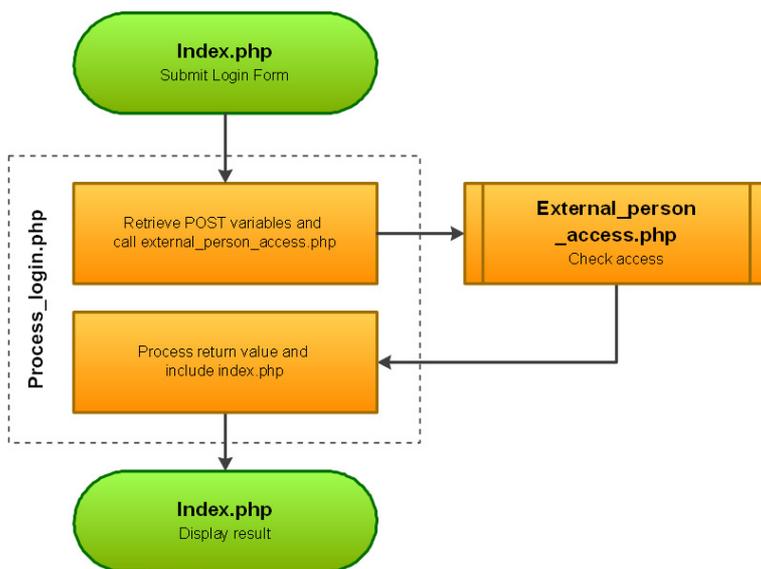


**The basic webintegration index.php file**

## External person access

Where the *external\_login.php* handles both authentication and redirect parameters, the *person\_access.php* file is solely used for authentication. The return value of the *external\_person\_access.php* file differs from the *external\_login.php* file as it returns an encrypted password on success or a zero (0) when authentication has failed. The encrypted password is linked to the username, the domain name of the PSW web site and is only valid for the current date (today).

This method may be used to create a custom login form where the feedback is used to notify the user in case of an invalid login or password. On success the encrypted password can then be used in the *fcPassword* attribute of the *external\_login.php* file.



**Custom login form workflow**

### Example

In the *webintegration* folder of the PSW Website folder you will find an authentication sample. The *index.php* file contains a standard web form, the actual verification is handled by the code in the *process\_login.php* file. The form uses the POST method and sends the information to the *process\_login.php* file.

```
<!-- Index.php -->
<!-- Custom login form, communication with PSW is handled
by the process_login.php file -->
<form method="POST" action="process_login.php">
  <div><span class="label">Username: </span><input type="text" name="fcUserName"
value="administrator" /></div>
  <div><span class="label">Password: </span><input type="text" name="fcPassword"
value=" " /></div>
  <div><input type="submit" value="Login" /></div>
</form>
```

The *process\_login.php* file retrieves the user name and password send by the login form (POST). The curl library, that comes with PHP, is used to send the information to the *external\_person\_access.php* file. The return value is stored in a local variable which is used by the *index.php* to show feedback to the user. In this case the *index.php* is shown no matter what the outcome is of the authentication process. One could implement an option to show a different page when the authentication was successful.

```

<!-- Process_login.php -- >

<?
// The process_login.php file (the following process is an example and should be handled
by your web site or portal)
$hCurl = curl_init(); //Initializes a new session and return a cURL handle
curl_setopt($hCurl, CURLOPT_URL, $_SERVER['HTTP_HOST']. "/external_person_access.php");
curl_setopt($hCurl, CURLOPT_POST, 1);
curl_setopt($hCurl, CURLOPT_RETURNTRANSFER, 1);
curl_setopt($hCurl, CURLOPT_TIMEOUT, 10); // times out after 4s
curl_setopt($hCurl, CURLOPT_POSTFIELDS,
"fcUserName=".$_REQUEST[fcUserName]."&fcPassword=".$_REQUEST[fcPassword]); // add POST
fields

$return = curl_exec ($hCurl);

curl_close ($hCurl);

if ($return != "0") {
    //Success
    $return = urlencode($return);
    $fcUserName = $_REQUEST[fcUserName];
} else {
    //Failed
    $fcUserName = $_REQUEST[fcUserName];
    $return = false;
}

include_once("index.php");

?>

```

---

**Important:** The PHP `urlencode()` function is applied to the encrypted password to make sure that it is properly encoded when using it in a URL (f.e. Href).

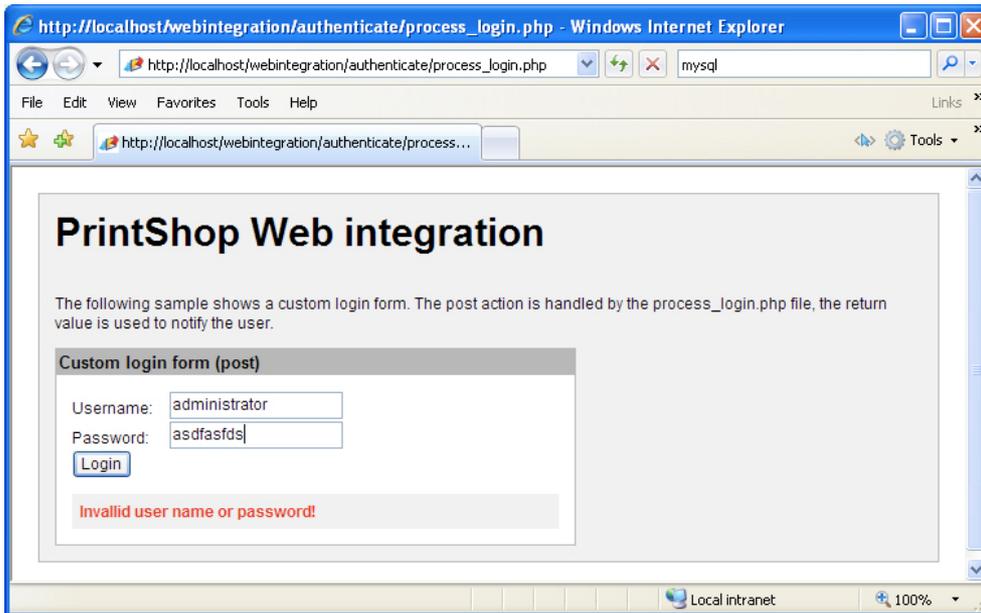
---

In our example a few simple statements are used to show the return value of the authentication process.

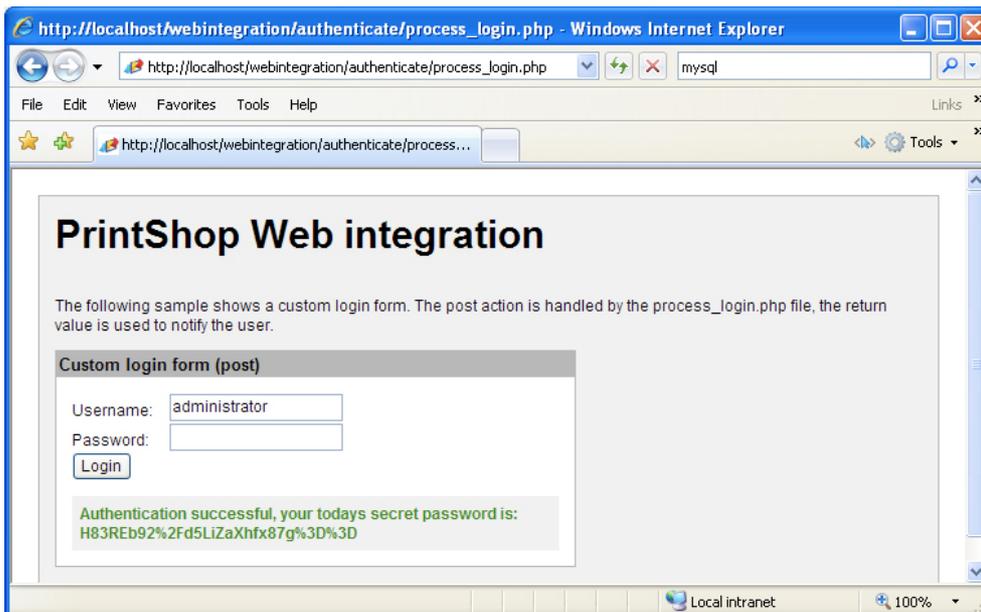
```

<!-- Index.php -->
<!-- Statements to show the return value -->
<?
// Following variables are generated by process_login.php and
// used to show the repsonse of PSW.
if(isset($return)){
    if($return == false){
        echo "<div class=\"status error\">Invallid user name or password!</div>";
    } else {
        echo "<div class=\"status success\">Authentication successful,
your todays secret password is: ".$return."</div>";
    }
}
?>

```



**Authentication failed**



**Authentication passed**

# Implementing a custom store front

By combining the methods described in the previous chapters a custom store front page can be developed. This page resides outside PrintShop Web and is probably stored on a different domain and can be developed in a scripting language other than PHP. Implementing a custom store front involves the following subjects:

- Account authentication
- Storefront pages, including redirect information to PSW
- Redirection from PSW to your web site/portal at the end of the ordering process

Sample files can be found in the *storefront* folder located in the *webintegration* folder of the PSW *Website* folder.

## Account authentication

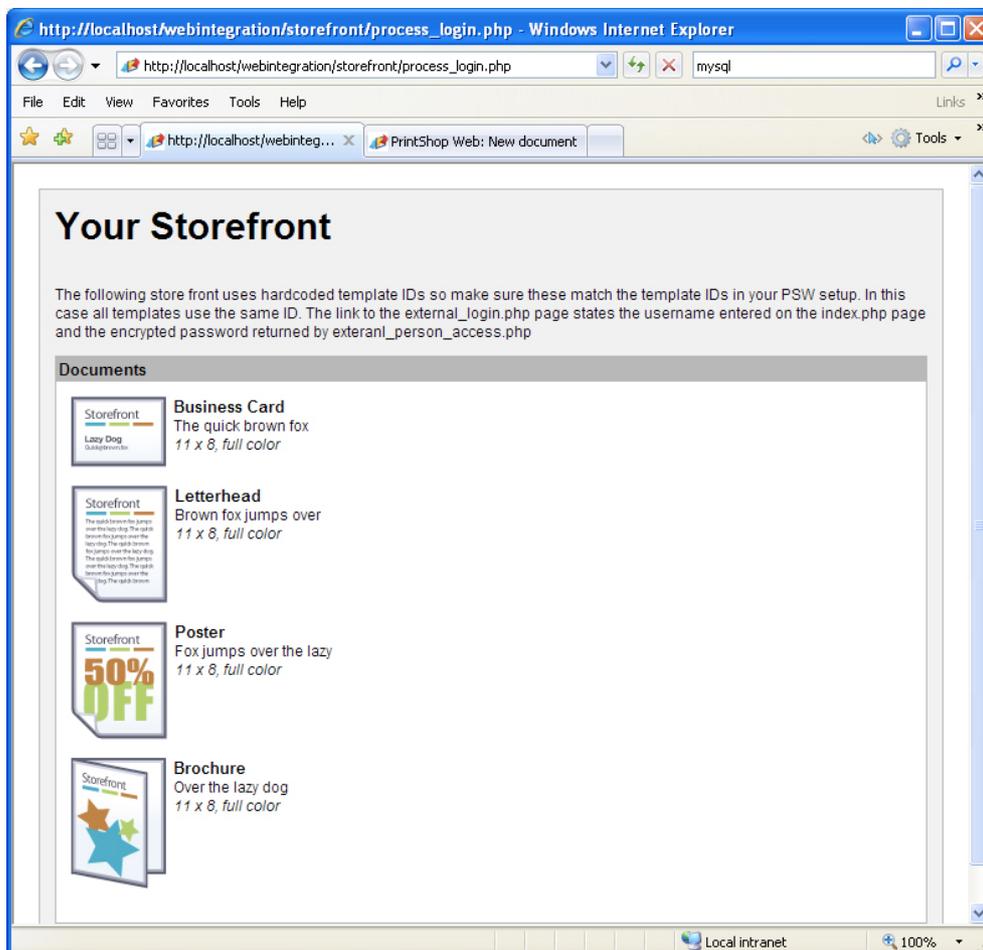
The authentication is handled using the *external\_person\_access.php* and is similar to the *External person access* process as described in the previous chapter. A change is made to the *process\_login.php* file where the *storefront.php* is included when the authentication was successful.

```
<!-- Process_login.php snippet-->

<?
if ($cReturn != "0") {
    //Success
    $_SESSION[fcUserName]= $_REQUEST[fcUserName];
    $_SESSION[fcPassword]= urlencode($cReturn);
    include_once("storefront.php");
} else {
    //Failed
    $fcUserName = $_REQUEST[fcUserName];
    $cReturn = false;
    include_once("index.php");
}
?>
```

## Custom store front pages

In our example the *storefront.php* contains a hard coded list of documents. The images on the page have a hyperlink pointing to the *external\_login.php* file.

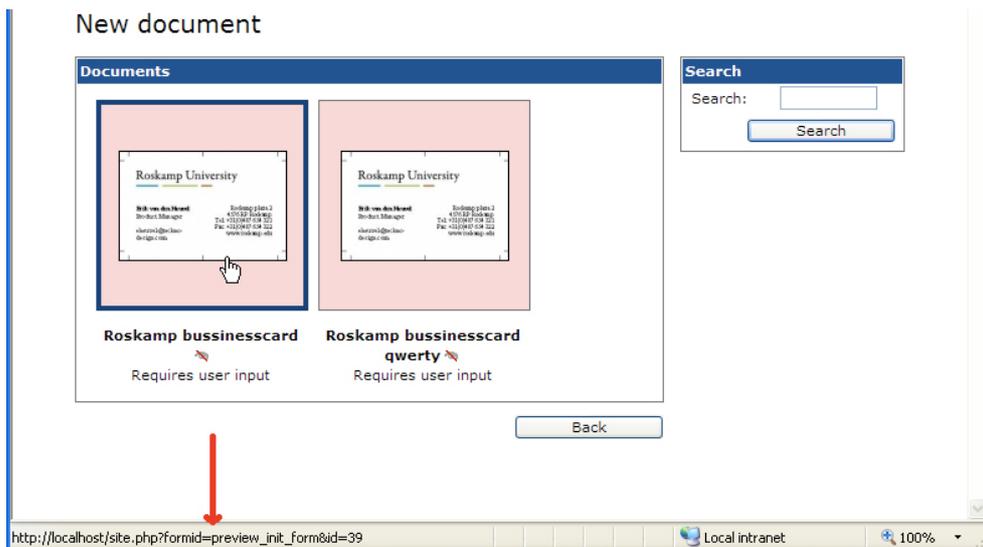


### A custom store front page

The URL is targeted towards the PSW system running on the localhost and states the entered user name and the encrypted password returned by the authentication process. The *fcFormID* parameter states *preview\_init\_form*. This page is used by PSW to determine the data entry workflow (user input versus database input) and populates the sessions required to create a new order. The *fnID* parameter states the internal database ID of the template (primary key). As these IDs are hard coded they need to match the *psw* database.

```
http://localhost/external_login.php?fcUserName=administrator  
&fcPassword=H83REb92%2Fd5LiZaXhfX87g%3D%3D&fcFormID=preview_init_form&fnID=1
```

The page IDs, form IDs and internal IDs can be retrieved easily from the *Status bar* of your web browser. Below the *Status bar* information is shown when hovering the cursor over a template in the standard Store Front page of PSW.



Page IDs, form IDs and internal IDs are displayed in the Status bar of the browser

## Adding a redirect to PSW

After completing the document the customer is guided through the ordering process. At the end of this process the PSW web site is redirected to the *ordermanager\_overview.php* page. By tweaking the *template.php* file of the active skin you could redirect the user to your own web site/portal. This can be achieved by adding the following code to the beginning of the *template.php* file:

```
<!-- template.php of the active skin -->

<?
  if ($_SESSION[nav][cPageID] == "ordermanager_overview") {
    echo "<script language='JavaScript'>";
    echo "document.location.href='http://yourwebsite' ";
    echo "</script>";
    exit;
  }
?>
```

To redirect to the Thank You Page located in the webintegration sample folder enter the following URL:

```
document.location.href='http://localhost/webintegration/storefront/thankyou.php'
```

If the customer doesn't have access to the *Order Manager* section (defined in his/her role) the *Thank You for Ordering* page appears. You can setup the same condition for this page. The page ID for this page is: *order\_thankyou*.

---

**Important:** Do not setup a custom redirect in the default skin of your PSW installation as none of your users will be able to access the *Order Manager* section. Use a duplicate or a custom skin.

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