

# Developing Custom Reports

Custom Report Framework

# Features

Custom tabs on System Reports screen  
Adds tab for sqlReports if it is installed

Dynamically generated report menu

Scripts, samples and functions to make development of custom reports simple.

# What about CRB?

Quite simply:

Custom reports bundle without the reports bundled.

Why?

Licensing.

Ease of use.

Ease of installation.

Simplification of code.

# I have the CRB installed. Have you broke it, you monster?

No. Installing the CRF over the CRB will not break the existing reports.

However, it recommended that you do not install the CRB over top of the CRF.

Work is being done to adapt the existing CRB reports to the new CRF scripts.

# Framework contents

## Scripts

jQuery version 1.9.1

jQuery UI 1.10.3

DataTables version 1.9.4

TableTools version 2.1.5

Prebuilt functions to assist with report parameters, generating results, and making student selections.

## Other

Standard light colored Themeroller theme

Custom report template sample

Custom dashboard template sample(incomplete)

# Where is it?

Source code available on GitHub

<https://github.com/cherrylandsoftware/ps-custom-report-framework>

Report Developer Guide

Wiki on GitHub project

Compiled releases

Releases section on GitHub project

# Template file

`/admin/reports/_reporttemplate.html`

Standard layout template for creating custom reports.

Contains all scripting required to make your custom report work.

# What you need

Template file

Meta tag documentation

Basic SQL

tlist\_sql tag



# Getting started

## Categorize your report

Place report in subfolder for category tab

## Determine your report audience

District or School only report?

Restrict by security group?

Configure with meta tags

# Meta tag section

```
<head>
```

```
<!--[CRM BEGIN]-->
```

```
<title>TODO:BROWSER TITLE</title>
```

```
<meta name="author" content="" />
```

```
<meta name="description" content="" />
```

```
<meta name="version" content="3.4.0" />
```

```
<meta name="schoolreport" />
```

```
<meta name="hide" /><!--TODO:REMOVE HIDDEN FLAG-->
```

```
<!--[CRM END]-->
```

# Script section

HTML table data results

JSON data results

HTML results section automatically transforms results into a sortable, exportable table.

JSON results require extra scripting by report author

# Breadcrumb section

```
~[x:insertfile;/admin/reports/includes/template/admin_reporthead_start.html]
```

```
TODO:BREADCRUMB NAME
```

```
~[x:insertfile;/admin/reports/includes/template/admin_reporthead_end.html]
```

```
<!-- Begin content -->
```

```

```

```
<div id="reportcontent" class="rounded_block">
```

```
  <h1 class="noprint">TODO:REPORT NAME</h1>
```

# Report Parameters

```
<form class="noprint" name="params" id="params" method="GET" action="#"
target="_blank">
  <div id="params_container" class="noprint">
    <h3><a href="#">Report Parameters</a></h3>
    <div id="paramsinner_container">
      TODO:REPORT PARAMETERS
      <input type="hidden" name="dothisfor" value="selected" />
      <input type="hidden" name="action" value="getresults" />
      <input type="hidden" name="dateformat" value="~[gpv:
dateformat]" />
      <input value="Submit" type="submit" />
    </div>
  </div>
</form>
```

# Copyright section

<!--TODO: Add your report copyright here:

<p class="disclaimer noprint" style="text-align:center;">&copy; YEAR(s)  
COPYRIGHT\_OWNER All rights reserved.</p>

-->

# Report results

```
~[if#action.~[gpv.action]=getresults]
```

```
<!--TODO: Add report results output
```

ex:

```
<table>
```

```
  <thead><tr><th>Col1</th><th>Col2</th></tr></thead>
```

```
  <tbody>
```

```
    ~ [tlist_sql;QUERY;]
```

```
      <tr><td>~ (col1;t)</td><td>~ (col2;t)</td></tr>
```

```
    [/tlist_sql]
```

```
  </tbody>
```

```
</table>
```

```
-->
```

```
[/if#action]
```

# Quick tips

Copy report template file

Develop report in subfolder for categorization

Search for TODO sections in template code



# Upcoming changes

Custom dashboards plugin system

More documentation on wiki

Vendor packages of reports