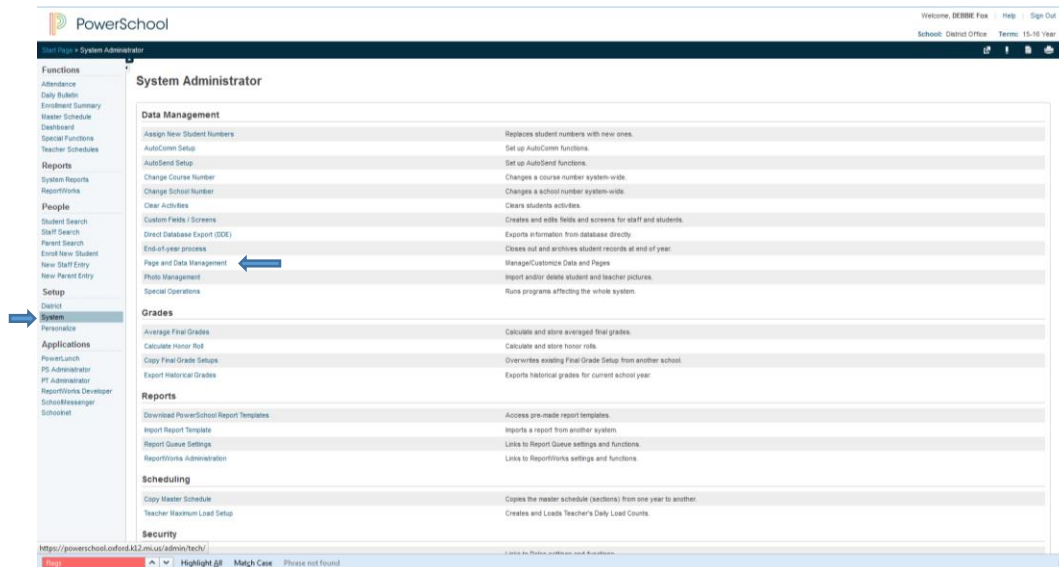


## Creating Custom Alerts in PowerSchool

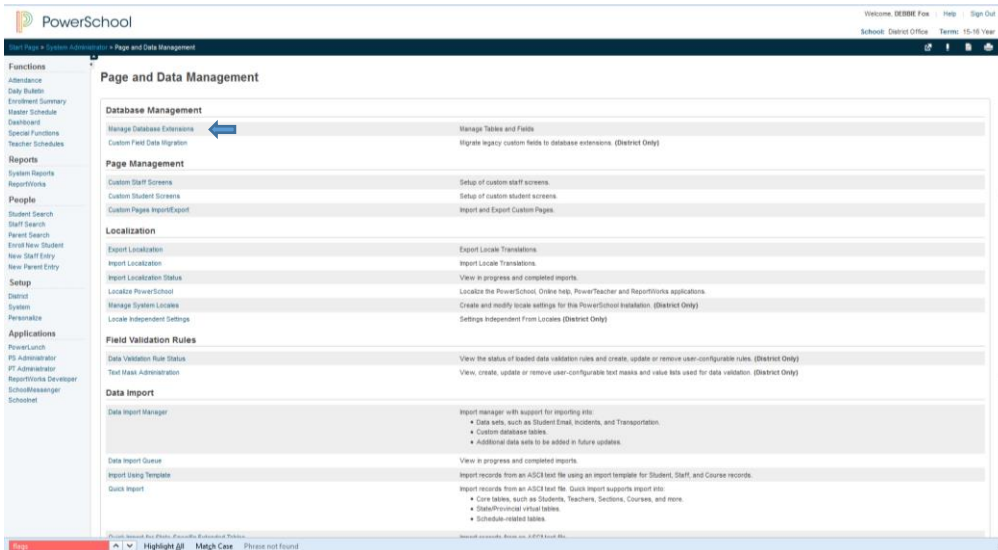
Debbie Fox

Decide what Alerts that you want/need. Decide what you want them called. Decide what you want them to say.

### Create a custom field for your Alert message. **Setup System**



### Page and Data Management



### Manage Database Extensions

PowerSchool

Start Page > System Administrator > Page and Data Management > Manage Database Extensions

1

Functions

Attendance

Daily Bulletin

Enrollment Summary

Master Schedule

Dashboard

Special Functions

Teacher Schedules

Reports

System Reports

ReportWorks

People

Student Search

Staff Search

Parent Search

Enroll New Student

New Staff Entry

New Parent Entry

Setup

District

System

Personalize

Applications

PowerLunch

PS Administrator

PT Administrator

ReportWorks Developer

SchoolMessenger

Schoolnet

Welcome, DEBBIE Fox

Help

Sign Out

School: District Office

Term: 15-16 Year

Manage Database Extensions

Step 1: Choose Functional Area

Choose the database table you want to extend, or choose "Other" to see a longer list of PowerSchool tables or to add an independent table.

Choose the Database Table to Extend

Students

Choose Workflow Type

Basic Extension - Add fields to the default extension

Advanced Extension - Create and manage database extensions, tables and fields

1 / 4

Next

Step 2:

Step 3:

Step 4:

Choose or Add New Database Extension Group for Students

Choose or Add New Database Extension Table for U\_STUDENTS\_EXTENSION

Create New Fields for Database Extension Table: U\_DEF\_EXT\_STUDENTS

Basic Extensions

Next

PowerSchool

Start Page > System Administrator > Page and Data Management > Manage Database Extensions

2

Functions

Attendance

Daily Bulletin

Enrollment Summary

Master Schedule

Dashboard

Special Functions

Teacher Schedules

Reports

System Reports

ReportWorks

People

Student Search

Staff Search

Parent Search

Enroll New Student

New Staff Entry

New Parent Entry

Setup

District

System

Personalize

Applications

PowerLunch

PS Administrator

PT Administrator

Welcome, DEBBIE Fox

Help

Sign Out

School: District Office

Term: 15-16 Year

Manage Database Extensions

Step 1: Choose Functional Area

Step 2: Create New Fields for Database Extension Table: U\_DEF\_EXT\_STUDENTS

Click "Add" to add new Fields.

The database extension is not saved until you click "Submit".

Field Name	Data Type	Default Value	Description	Status	Edit	Delete
------------	-----------	---------------	-------------	--------	------	--------

Add

Previous2 / 2Submit

Add

2

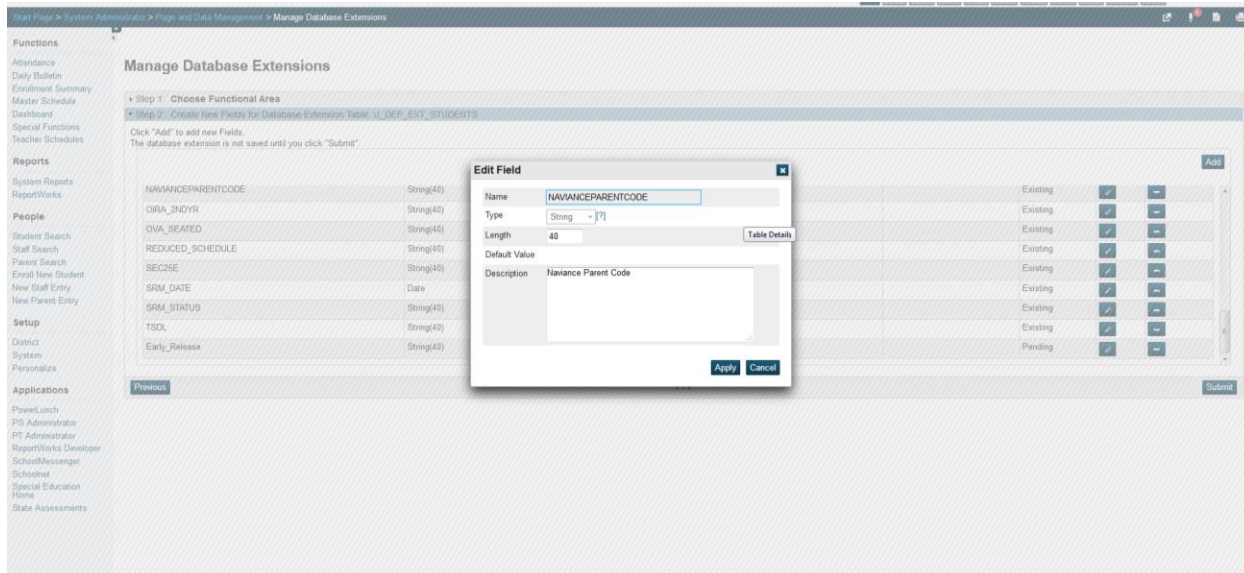
## Name and type

The screenshot shows the PowerSchool 'Manage Database Extensions' page. The 'Add Field' dialog box is open, allowing the user to define a new field for the 'U\_DEF\_EXT\_STUDENTS' table. The dialog includes fields for Name, Type (set to String), Length (set to 40), Default Value, Migrate Data From, and a Description text area. The background table has columns: Field Name, Data Type, Description, Status, Edit, and Delete. The 'Add' button is visible in the top right of the table area.

This is a close-up of the 'Add Field' dialog box. It contains the following elements:

- Name:** A text input field.
- Type:** A dropdown menu currently set to 'String'.
- Length:** A text input field with the value '40'.
- Default Value:** A text input field.
- Migrate Data From:** A dropdown menu.
- Description:** A large text area for entering a description.
- Buttons:** 'Apply' and 'Cancel' buttons at the bottom right.

Enter in the Name, Type, Length (more than you think you may need) Description **Apply.**



Field	Description
Name	Enter the field name as it will appear in PowerSchool. Select the field data type from the pop-up menu.
Type	<p><b>String</b> : Fixed-length character string.</p> <p><b>Integer</b> : A number that can be written without a fractional or decimal component.</p> <p><b>Date</b> : A date value.</p> <p><b>Double</b> : A number with up to 15 place values to the left of the decimal and up to 10 decimal places to the right.</p> <p><b>Boolean</b> : Data has two values (1=true and 0=false).</p> <p><b>CLOB</b> : (Character Large Object) data stored in a separate location referenced by the table.</p> <p><b>BLOB</b> : (Binary Large Object) collection of binary data stored as a single entity.</p>
Length	Enter the maximum length of data that can be entered in the field.
Default Value	Enter the default value for the field.
Migrate Data From	Choose a legacy custom field in order to migrate data from the selected field to your database extension field. The default Type is set to String and the default Length is set to 4000 automatically. This option is unavailable if there are no existing legacy custom fields.
Description	Enter a brief description of the field.

Start Page > System Administrator > Page and Data Management > Manage Database Extensions

### Manage Database Extensions

• Step 1: Choose Functional Area  
 • Step 2: Choose or Add New Database Extension Group for Students  
 • Step 3: Choose or Add New Database Extension Table for U\_STUDENTSUSERFIELDS  
 • Step 4: Create New Fields for Database Extension Table: U\_STUDENTSUSERFIELDS

Click "Add" to add new Fields  
The database extension is not saved until you click "Submit".

Field Name	Type	Field Label	Field Value	Field Type	Field Status	Field Action
WFLCKOUT_DATE	String(4000)	Students table custom field migration	Existing	✓		
WFLMEI	String(4000)	Students table custom field migration	Existing	✓		
WFLPHONE	String(4000)	Students table custom field migration	Existing	✓		
WFLRETURN	String(4000)	Students table custom field migration	Existing	✓		
WFLSMS	String(4000)	Students table custom field migration	Existing	✓		
PermitNumber	String(40)	Parking Permit Number	Pending	✓	+	
CarMake	String(40)	Make of car on Parking Permit	Pending	✓	+	
CarModel	String(40)	Model of car on Parking Permit	Pending	✓	+	
LicenseNumber	String(40)	License number of car on Parking Permit	Pending	✓	+	

Previous 4 / 4 Submit

You can add to an existing Custom Student Screen or create a new one. – **Setup, System, Page and Data Management, Custom Student Screens.**

For new screen – select **New**, name the screen, **Submit**

Start Page > System Administrator > Page and Data Management > Custom Student Screens > Edit

### Edit Custom Student Screen

Name: ESL & Student Services Alerts

Delete Submit

Go back to the **Custom Student Screens** page and select **Edit fields.**

Start Page > System Administrator > Page and Data Management > Custom Student Screens > List

### Custom Student Screen Fields: ESL & Student Services Alerts

New

Label	Field Name	Type	Sort Order
ESL Alert	Alert_ESL	Entry box	1
Student Services Alert	Alert_Student_Services	Entry box	2
SOS Alert	Alert_SOS	Entry box	3
FLEP_Alert	U_Students_Extension.FLEP_Alert	Entry box	4
Grad_Alliance	U_Students_Extension.Grad_Alliance	Entry box	5

Export this screen as a template

Submit

You can add fields.

Start Page > System Administrator > Page and Data Management > Custom Student Screens > List Fields > Edit Field

### Edit Custom Student Screen Field: ESL & Student Services Alerts

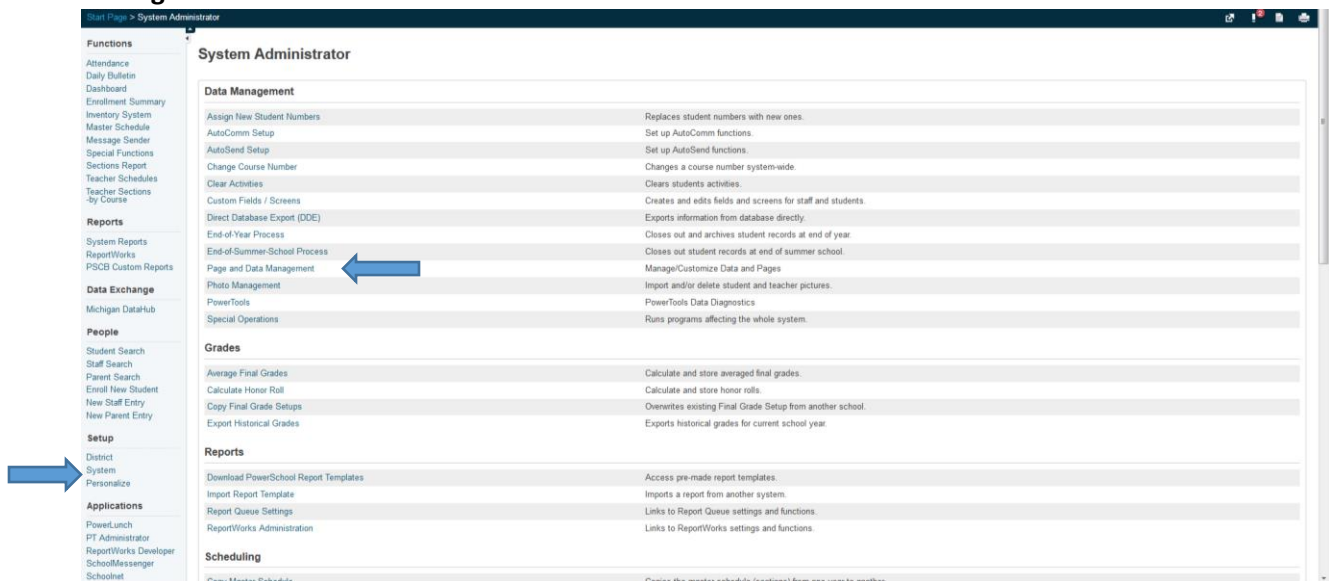
Option	Value
Label	ESL Alert
Field Name (Field)	Alert_ESL
Sort Order	1
Input Type	Entry box
Width (applies only to 'entry field' and 'entry box' types)	40 (width in characters)
Height (applies only to 'entry box' type) Data for Popup or Radio Buttons (press return after each entry)	3 (height in lines)

Buttons: [Delete](#) [Submit](#)

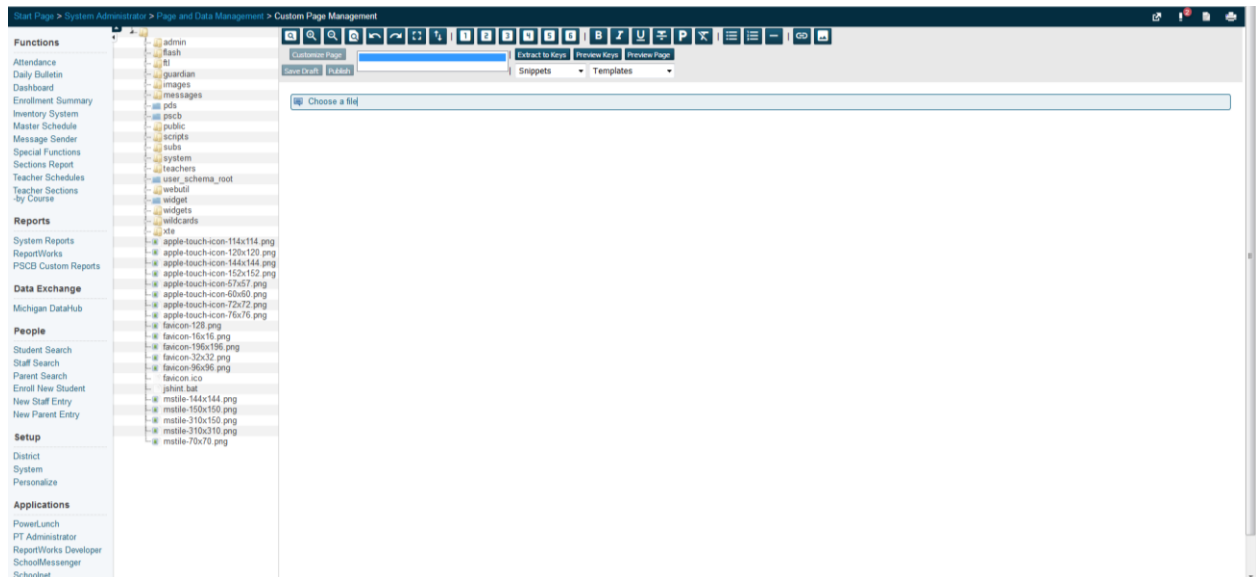
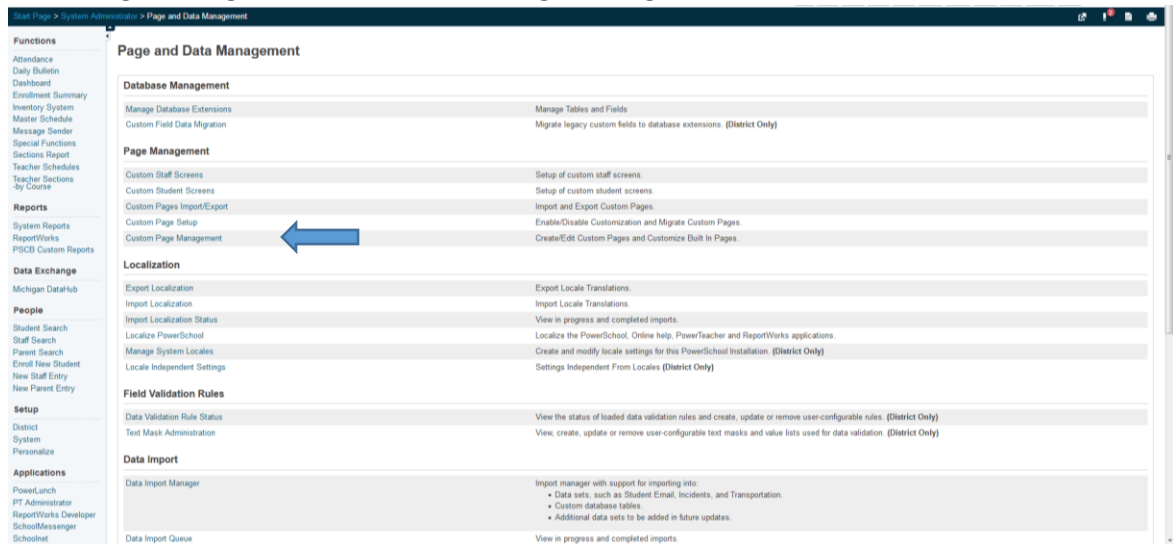
You have different choices for this page, including the Popup or Radio Buttons. **Submit**

Find or create an image for your Alert. The image can be a gif, jpg, png, etc.

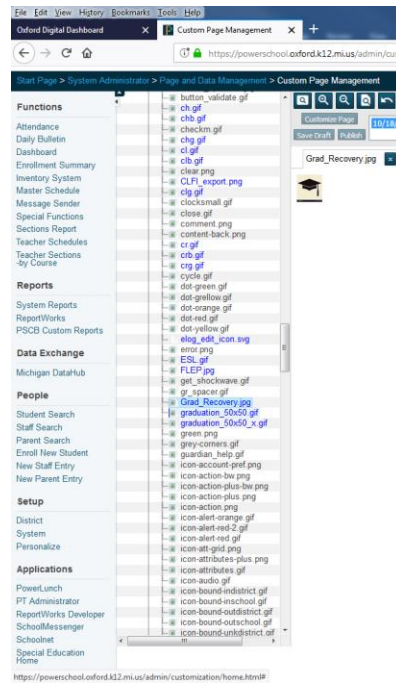
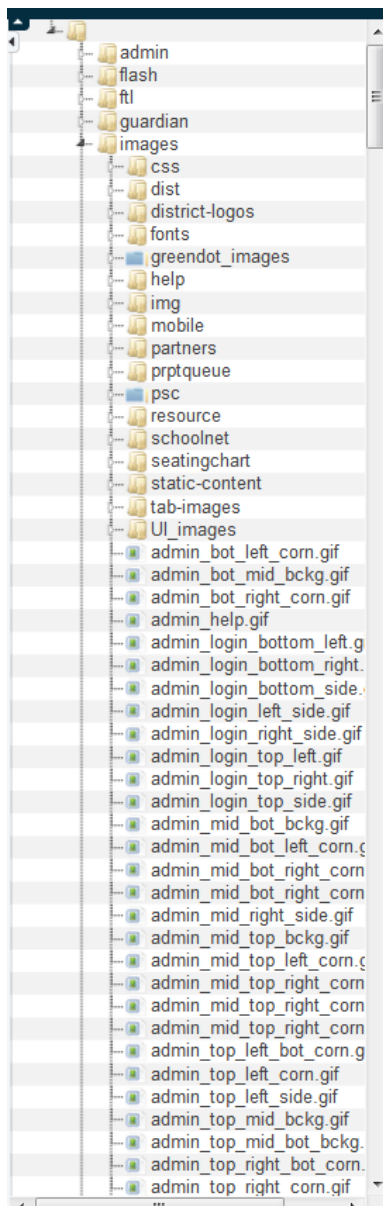
In PowerSchool Admin, go to **Setup, System**. Under **Data Management**, select **Page and Data Management**.



## Under Page Management, select Custom Page Management

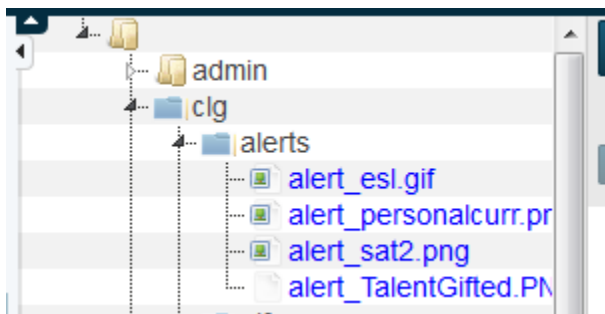


This is the Custom Page Management screen. The folders open to other folders or files. This is where you will place your image for your alert.

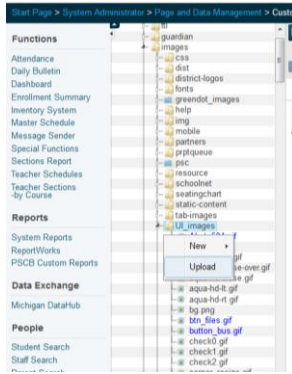


This is sample of an image that we created for our Grad Recovery program.

Find the UI\_images folder and right click on it. \*\*







Select Upload.

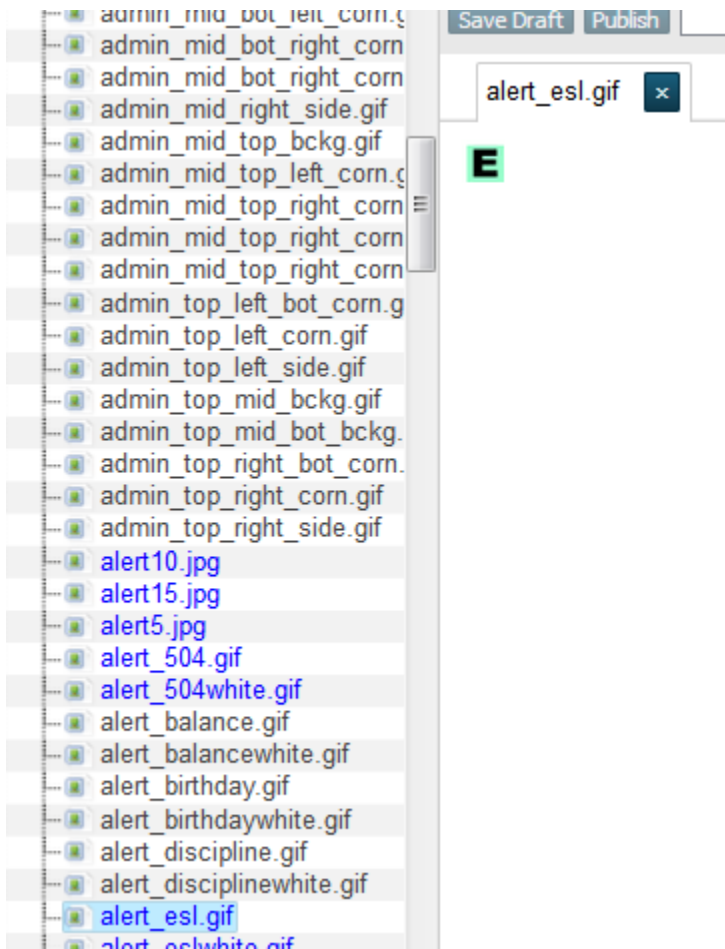
### File upload

File:  No file selected.

Folder:

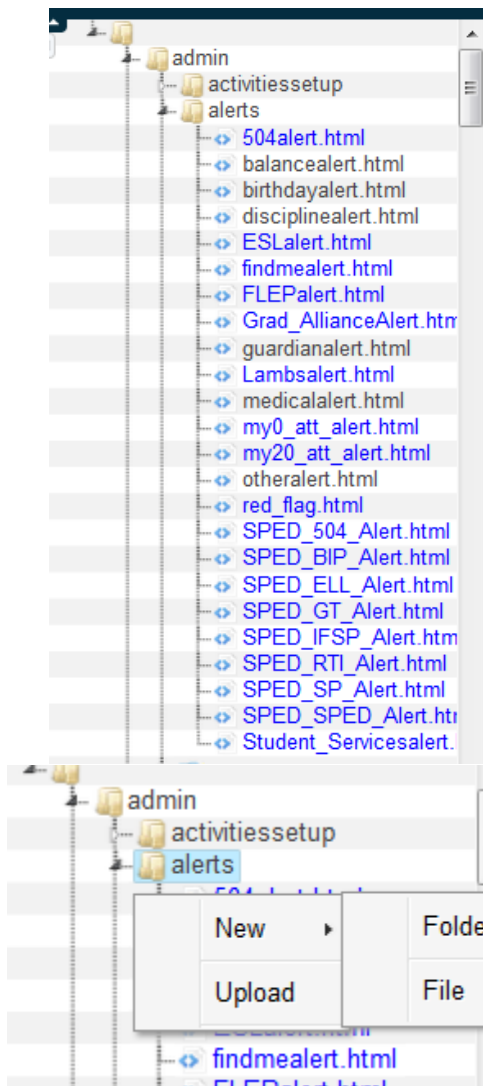
Browse for the image you want and **Submit**

The image will be placed in that folder, in alpha order.



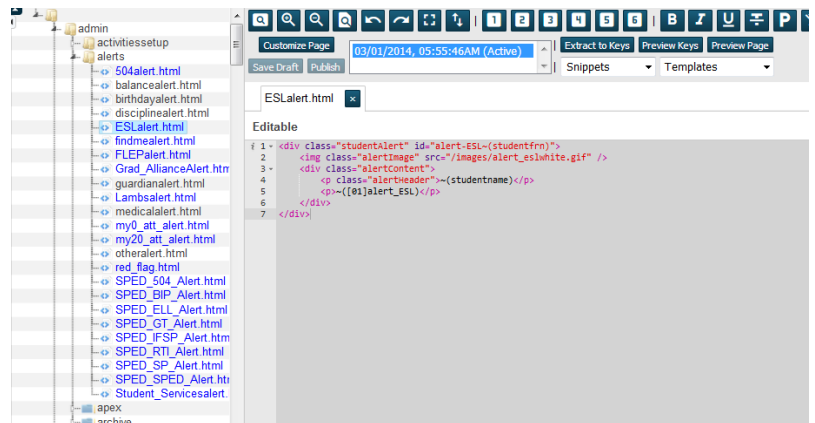
If you use the UI\_images, make sure you change the path to reflect the UI\_image path.

```
~[if.~([Students.U_Students_Extension]Alert_OSEC)#""]<a class="dialogM" title="Alert_OSEC.gif"
href="/admin/alerts/Alert_OSEC.html?frn=~(studentfrn)"> </a>[/if]
```

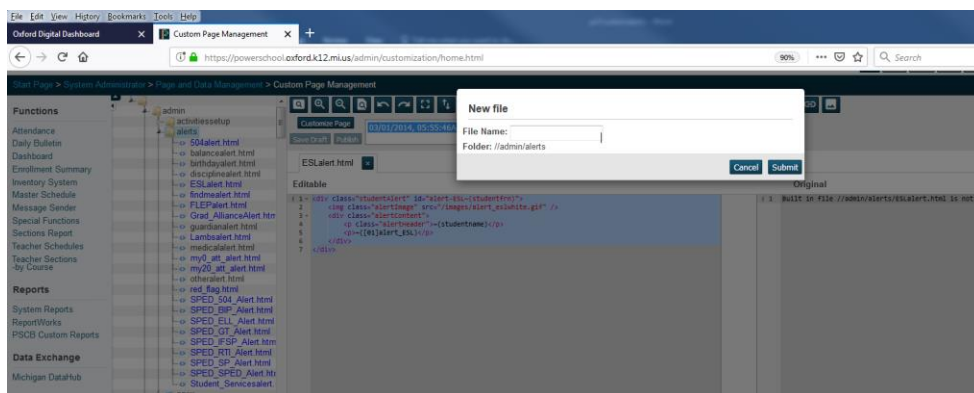


Now we need to place our Alert.

In the **Custom Page Management**, find the **Alerts** folder under **Admin**. (Yes we have a lot of Alerts) Open an existing alert and copy the text.



Once you copied the script, go to the **Alerts** folder, right mouse click the **Alerts** folder, **New, File**.



Name the file using the same naming convention as the image you created. (example - ESL\_Alert.html) **Submit**.

Find the file you just created in the **Alerts** folder and paste in the text that you copied. Go in and change the text to reflect your Alert and image file.

Sample -

```
<div class="studentAlert" id="alert-ESL~(studentfrn)">

    <div class="alertContent">

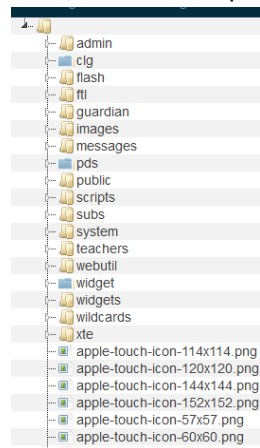
        <p class="alertHeader">~(studentname)</p>

        <p>~([01]alert_ESL)</p>

    </div>

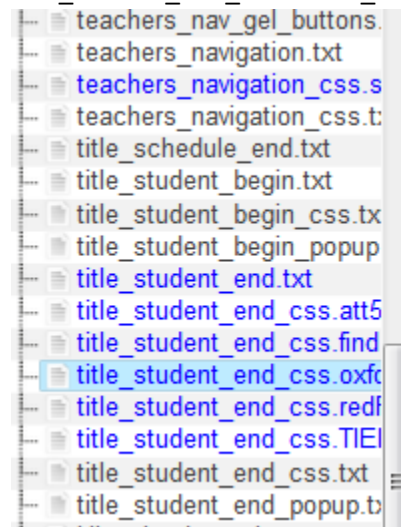
</div>
```

Next, have to setup the **Wildcard**



In Oxford, we have a file setup so we can add alerts to the file.

title\_student\_end\_css.oxford\_custom\_alerts.student.alert.txt



(I separated the alerts below so it is easier to follow. The real file is not separated.)

```

~[if.~([01]Alert_ESL)#""]<a class="dialogM" title="ESL Alert"
href="/admin/alerts/ESLalert.html?frn=~(studentfrn)"></a>[/if]

~[if.~([01]Alert_Student_Services)#""]<a class="dialogM" title="Student Services Alert"
href="/admin/alerts/Student_Servicesalert.html?frn=~(studentfrn)"></a>[/if]

~[if.~([01]Alert_504)#""]<a class="dialogM" title="504 Alert"
href="/admin/alerts/504alert.html?frn=~(studentfrn)"></a>[/if]

~[if.~([01]U_Students_Extension.FLEP_Alert)#""]<a class="dialogM" title="FLEP Alert"
href="/admin/alerts/FLEPalert.html?frn=~(studentfrn)"></a>[/if]

~[if.~([Students.U_Students_Extension]Grad_Alliance)#""]<a class="dialogM"
title="Grad_AllianceAlert.jpg" href="/admin/alerts/Grad_AllianceAlert.html?frn=~(studentfrn)"></a>[/if]

~[if.~([Students.U_Students_Extension]Alert_OSEC)#""]<a class="dialogM" title="Alert_OSEC.gif"
href="/admin/alerts/Alert_OSEC.html?frn=~(studentfrn)"></a>[/if]

```

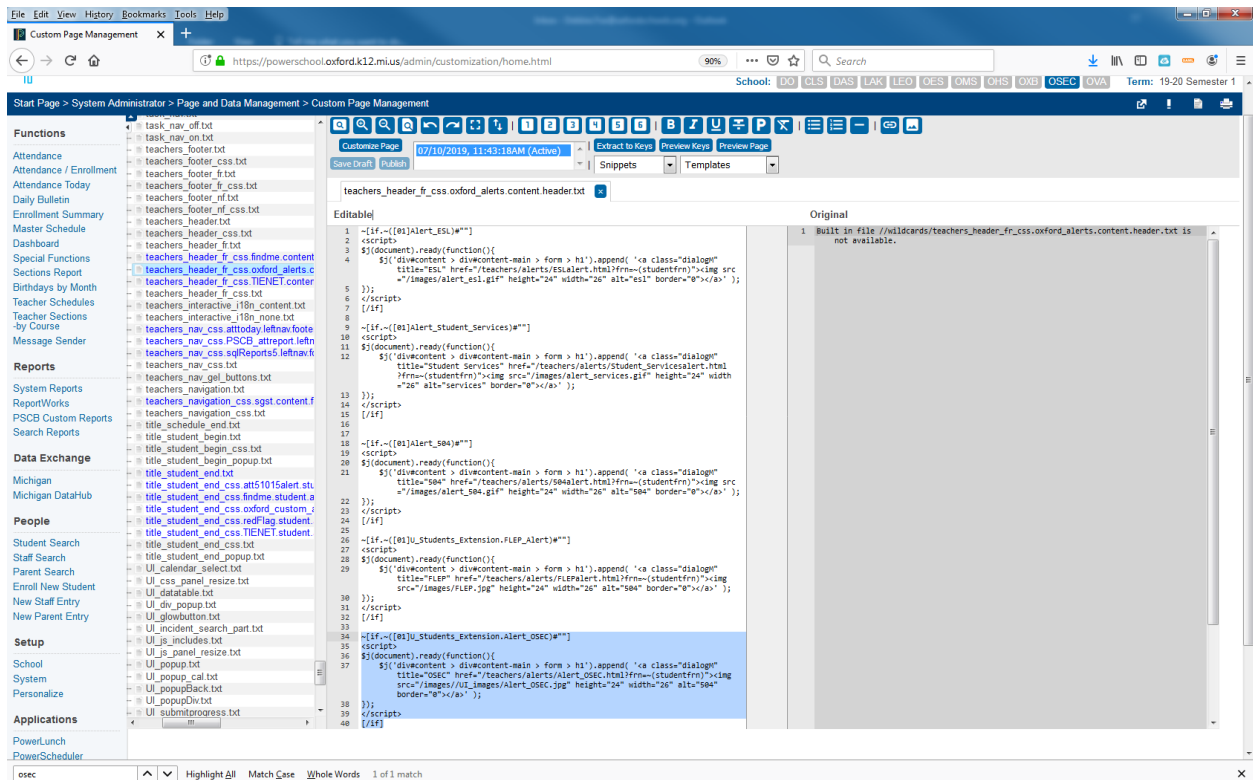
Select a student, go to the Custom Page that you created in the first step and mark the custom field.

Alert Type	Receives services
ESL Alert	<input type="checkbox"/>
Student Services Alert	<input type="checkbox"/>
504 Alert	<input type="checkbox"/>
FLEP_Alert	<input type="checkbox"/>
Grad_Alliance	<input type="checkbox"/>

When the field is marked, the Alert will appear on all the student pages.

Remember that you can do a search for all the students with alert – alert\_esl # will give me all the students that have an ESL alert.

To get the Alert on the teacher's page - Wildcards



~[if.~([01]U\_Students\_Extension.Alert\_OSEC)\*"]

<script>

\$j(document).ready(function(){

\$j('div#content > div#content-main > form > h1').append( 'a class="dialogM" title="OSEC" href="/teachers/alerts/Alert\_OSEC.html?frn=~(studentfrn)"></a> ' );

});

</script>

[/if]