Sonar SCORE Development:  
Linking to external CSS and JavaScript

# Directory Requirements

First of all, any external CSS or JavaScript files need to be in the directory *src/main/resources/static*, or Sonar will not be able to find them.

# Pages

A special method has been designed within the Score plugin ruby files to help quickly and efficiently link to external css/javascript files. At the top the view of a given stack ( i.e. userprofiles/index.html.erb), simply call the method “renderLink” and pass it the full names (including extentions) of each css or javascript file. For example:

<%= renderLink "ScoreStyle.css", "Custom.js" %>

Note: make sure that the Controller in the given stack extends ScoreController, rather than ApplicationController, or this won’t work. For example:

**class** UserprofilesController **<** ScoreController **YES**

**class** UserprofilesController **<** ApplicationController **NO!**

The reason for this is that the renderLink method is defined in *ScoreHelper*, *ScoreController* has access to *ScoreHelper’s* methods (by Ruby-on-Rails convention), and *ScoreController* extends *ApplicationController*.

# Widgets

At this point no efficient way has been found to link to external CSS or Javascript with widgets. A more bulky means is required.

There is a method SonarQube has made in its ApplicationHelper that will render the url to the file:

url\_for\_static(**:plugin** => 'score', **:path** => 'CustomStyle.css')

To be effective, it has to be used in the context of a javascript tag.

Do this for CSS:

<**script** *type*="text/javascript">

**var** link = **document**.createElement("link");

link.setAttribute("rel","stylesheet");

link.setAttribute("type","text/css");

link.setAttribute("href","<%=url\_for\_static(**:plugin** => 'score', **:path** => 'CustomStyle.css')%>");

**var** head = **document**.getElementsByTagName("head")[0];

head.appendChild(link);

</**script**>

Do this for JavaScript:

<**script** *type*="text/javascript">

**var** script = **document**.createElement("script");

script.setAttribute("type","text/javascript");

script.setAttribute("href","<%=url\_for\_static(**:plugin** => 'score', **:path** => 'CustomScript.js')%>");

**var** head = **document**.getElementsByTagName("head")[0];

head.appendChild(script);

</**script**>