

HP's Guide to HTML Purification

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Frequently Asked Questions

Why?

As part of our ongoing effort to make HP super secure, we need to protect the game from any malicious scripts. To do this, we have implemented an HTML purifier. Most layouts should still work with a few minor tweaks, and we've put together this guide to help you transition!

My issue isn't being fixed by this guide.

Contact a mod or admin and we will do our best to help you figure out what the problem is or find a solution to your woes!

I lost the code to my old layout and I don't know how to fix it.

We saved a copy of everyone's layout before the transition! You can grab it by clicking the link on your home page that says "View HTML pre-HTML purifier", right above where you found the link to this guide!

I lost my custom scroll bar, message box, or cursor! How do I get it back?

Unfortunately, you can't :(We're not able to allow any custom Javascript at all in player layouts, except for the workarounds to make tabbed layouts function. If you have a tabbed layout other than the one we have a fix for, let us know and we will see what we can do!

Can I still use an external stylesheet?

No, you will need to copy/paste all of the CSS from your external stylesheet into the stylesheet box on your page.

Will fonts still work?

They should work with @import url in your stylesheet box. If you're using a Google font, it will look like this:

```
@import url('https://fonts.googleapis.com/css?family=FONTNAME&display=swap');
```

The HTML Purifier keeps adding random code when I save my layout!

This is likely because you have unclosed tags somewhere. For example, if you have a <p> then you'll need to add a </p> after you want the paragraph to end. This can also happen due to excess <center> tags or random closed tags at the beginning of your layout. Remember, the basic rule is that every tag that you open needs to be closed.

Whitelisted Tags and Attributes

These are the tags and attributes that are currently allowed. If it's not on this list, it will not work on HP. If we missed something you think should be included, let us know! We are happy to add any tags or attributes that cannot be used to harm HP or our users.

Not sure what a tag or attribute is? Tags define the structure of a HTML document, they live between the angle brackets (< and >). Attributes provide information about HTML elements.

For example, when you post a link you use: TEXT
<a> is the tag, href is the attribute.
Make sense?

Tags are in **bold**, attributes are in *italics*.

<a>	<i>class</i>	<h3>	<i>class</i>	<pre>	<i>id</i>	<tbody>	<i>rowspan</i>
<i>href</i>		<h4>				<i>style</i>	
<i>id</i>		<h5>		<q>		<i>valign</i>	
<i>rel</i>		<h6>		<s>		<i>width</i>	
<i>style</i>		<hr>		<section>		<textarea>	
<align>		<i>align</i>		<small>		<i>cols</i>	
		<i>size</i>				<i>maxlength</i>	
<big>		<i>width</i>		<i>class</i>		<i>name</i>	
<blockquote>		<i>		<i>id</i>		<i>readonly</i>	
<body>				<i>lang</i>		<i>rows</i>	

		<i>align</i>		<strike>		<i>wrap</i>	
<class>		<i>alt</i>				<th>	
<center>		<i>border</i>		<table>		<i>align</i>	
<code>		<i>class</i>		<i>align</i>		<i>bgcolor</i>	
<div>		<i>height</i>		<i>border</i>		<i>colspan</i>	
<i>align</i>		<i>hspace</i>		<i>cellpadding</i>		<i>header</i>	
<i>class</i>		<i>src</i>		<i>cellspacing</i>		<i>height</i>	
<i>id</i>		<i>style</i>		<i>class</i>		<i>nowrap</i>	
<i>style</i>		<i>title</i>		<i>id</i>		<i>rowspan</i>	
<dd>		<i>width</i>		<i>style</i>		<i>style</i>	
<dl>		<input>		<i>width</i>		<i>valign</i>	
<dt>		<label>		<td>		<i>width</i>	
				<i>align</i>		<title>	
		<link>		<i>bgcolor</i>		<tr>	
<i>color</i>		<i>href</i>		<i>colspan</i>		<i>align</i>	
<i>face</i>		<i>rel</i>		<i>headers</i>		<i>bgcolor</i>	
<i>size</i>		<mark>		<i>height</i>		<i>valign</i>	
<h1>				<u>			
<h2>		<p>					
		<i>align</i>		<!-- -->			

Blacklisted Tags and Attributes

These are the tags and attributes that will NOT be allowed. We cannot safely include these at any point. In the next sections we will discuss workarounds for layouts that legitimately use them.

Just because they're not on this list doesn't mean that they will work. ONLY the tags and attributes which are specifically whitelisted will work. These are just the tags and attributes that we will not consider whitelisting. The attributes will not work for any tag, even if the tag is allowed.

tags

<applet>
<form>
<iframe>
<script>
<style>

attributes

async
charset
code
crossorigin
defer
download
onclick
onerror
oninput
onload
onmouseover

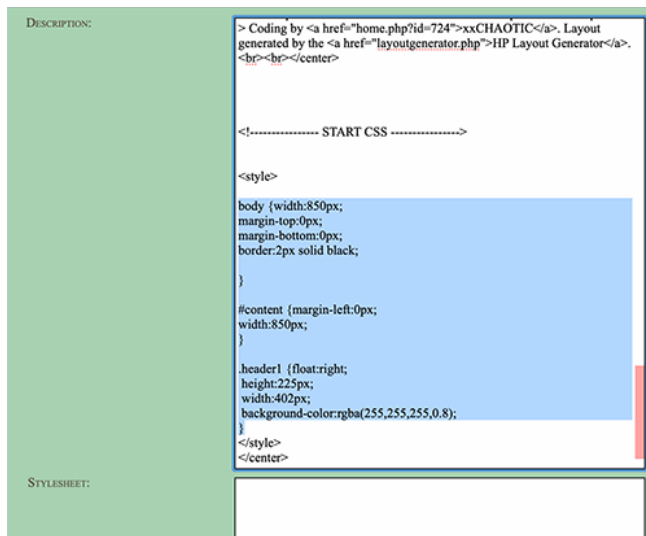
NOTE: All event attributes are blacklisted. The ones listed above (such as "onclick") are the most common ones that are used, which is why we listed them individually.

Stylesheets

Since the **<style>** tag is no longer allowed, you will need to move your CSS to the new "Stylesheet" box on your home page.

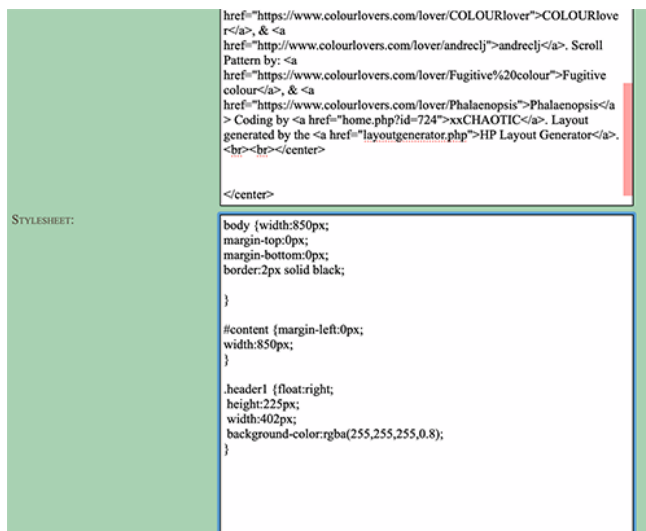
Look for the text between **<style>** and **</style>**, then copy it and paste it from the Description/HTML box to the Stylesheet box at the bottom of your home page (then remove it from the Description/HTML box). You do not need to use **<style>** tags in the Stylesheet box, you only need to move what's between them. *If you are currently using an external stylesheet, you will need to copy it's contents into the stylesheet box as well.*

before:



The screenshot shows a web editor interface with a green sidebar on the left. The main area is divided into two sections: "DESCRIPTION:" at the top and "STYLESHEET:" at the bottom. The "DESCRIPTION:" section contains HTML code, including a header with a link to "CHAOTIC" and a "START CSS" separator. Below this, a `<style>` tag contains CSS rules for the body, #content, and .header1. The "STYLESHEET:" section is currently empty.

after:



The screenshot shows the same web editor interface after the CSS code has been moved. The "DESCRIPTION:" section now contains only the HTML header and footer code, with the CSS code removed. The "STYLESHEET:" section now contains the CSS code that was previously inside the `<style>` tag. The green sidebar remains on the left.

Tabbed Layouts

If you have a tabbed layout that uses Javascript, you likely have something that looks like this in your layout:

```
<!-- t a b s --><ul class="tab"><li><a
href="javascript:void(0)" class="tablinks"
onclick="openTab(event, 'Tab1')" id="defaultOpen">TAB NAME</a></
li><li><a href="javascript:void(0)" class="tablinks"
onclick="openTab(event, 'Tab2')">TAB NAME</a></li><li><a
href="javascript:void(0)" class="tablinks"
onclick="openTab(event, 'Tab3')">TAB NAME</a></li><li><a
href="javascript:void(0)" class="tablinks"
onclick="openTab(event, 'Tab4')">TAB NAME</a></li></ul>

<div id="Tab1" class="tabcontent"><! ----- TAB ONE
----- >
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do
eiusmod tempor incididunt ut labore et dolore magna aliqua.
<! ----- END TAB ONE ----- ></div>

<div id="Tab2" class="tabcontent"><! ----- TAB TWO
----- >
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do
eiusmod tempor incididunt ut labore et dolore magna aliqua.
<! ----- END TAB TWO ----- ></div>

<div id="Tab3" class="tabcontent"><! ----- TAB THREE
----- >
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do
eiusmod tempor incididunt ut labore et dolore magna aliqua.
<! ----- END TAB THREE ----- ></div>

<div id="Tab4" class="tabcontent"><! ----- TAB FOUR
----- >
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do
eiusmod tempor incididunt ut labore et dolore magna aliqua.
<! ----- END TAB FOUR ----- ></div>
```

With a few minor tweaks to your code, this will still work!

If you use a different tab script and it doesn't work, you will need to contact us so we can figure out a way to help you.

For each tab, you'll need to change this:

```
<li><a href="javascript:void(0)" class="tablinks"
onclick="openTab(event, 'Tab1')" id="defaultOpen">TAB NAME</a></
li>
```

To this:

```
<li>%tab1%TAB NAME%endtab%</li>
```

So the finished document from the example on the previous page will look like this:

```
<!-- t a b s --><ul class="tab"><li>%tab1%TAB NAME%endtab%</
li><li>%tab2%TAB NAME%endtab%</li><li>%tab3%TAB NAME%endtab%</
li><li>%tab4%TAB NAME%endtab%</li></ul>

<div id="Tab1" class="tabcontent"><! ----- TAB ONE
----- >
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do
eiusmod tempor incididunt ut labore et dolore magna aliqua.
<! ----- END TAB ONE ----- ></div>

<div id="Tab2" class="tabcontent"><! ----- TAB TWO
----- >
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do
eiusmod tempor incididunt ut labore et dolore magna aliqua.
<! ----- END TAB TWO ----- ></div>

<div id="Tab3" class="tabcontent"><! ----- TAB THREE
----- >
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do
eiusmod tempor incididunt ut labore et dolore magna aliqua.
<! ----- END TAB THREE ----- ></div>

<div id="Tab4" class="tabcontent"><! ----- TAB FOUR
----- >
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do
eiusmod tempor incididunt ut labore et dolore magna aliqua.
<! ----- END TAB FOUR ----- ></div>
```

NOTES:

- 1. We have built in the script for tabs 1 - 10.**
- 2. Tab 1 is always the default open tab.**

Scroll Boxes

To fix a scroll box that no longer scrolls, you'll need to move some of the in-line style from the main coding in your description box to the stylesheet box.

In your original layout code you will see something like this:

```
<div style="height:312px; overflow-y: auto; overflow-x: hidden;">
```

To make it work, you'll need to copy everything between the quotation marks, then scroll down to your stylesheet box, and at the top (but under `@import`, if you have one for a font) type this:

```
#scroll {  
  
}
```

Then, paste the in-line style (from between the quotation marks) in between the curly braces `{ }`. Now it'll look like this:

```
#scroll {  
height:312px; overflow-y: auto; overflow-x: hidden;  
}
```

You can space it out better if you want to using tabs or by putting the elements on different lines, that's up to your personal preference, but for this example I'm not showing optional formatting.

Finally, go back up to your description box and change this:

```
<div style="height:312px; overflow-y: auto; overflow-x: hidden;">
```

To this:

```
<div id="scroll">
```

NOTE: If you notice other parts of your style disappearing and cannot figure out why, it could be due to the purifier erasing in-line style. You can fix it the same way as you did this. You can name the id= anything you want to, just make sure it matches in the description box and stylesheet box.

Message Boxes and Buttons

Custom message boxes will unfortunately no longer work with the new HTML purifier and HP will no longer allow a popup message box on home pages (instead message links will direct you to the "Compose" page with the ID auto-populated).

You can still have custom message buttons, but you will need to make a few simple changes so that people can still message you.

In your code, you'll see something like this:

```
<a href="javascript:sendMessage(ID);">message</a>
```

You'll need to change it to this:

```
<a href="messages.php?compose=true&recipient=ID">message</a>
```

NOTE: Where it says ID in the example, you will need to input your player ID.