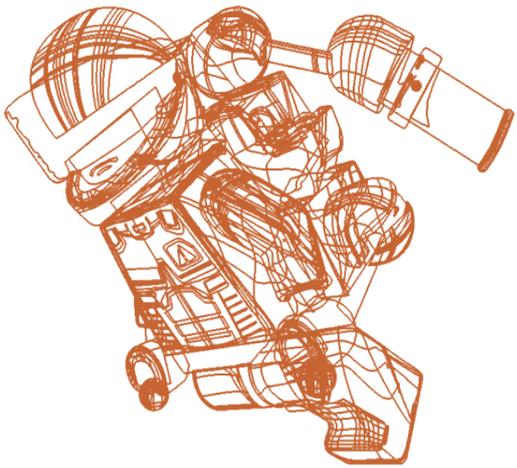


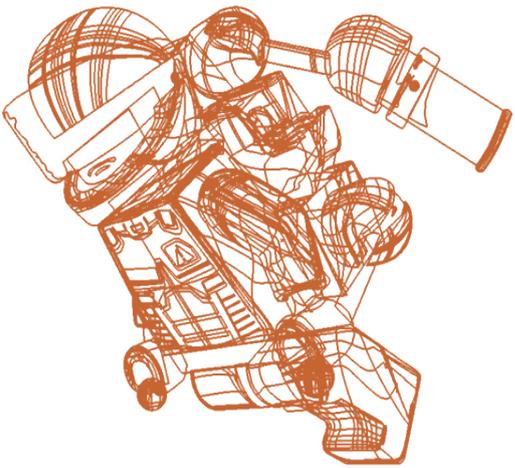
# WHAT THE F\*\*K IS A POLYFILL?

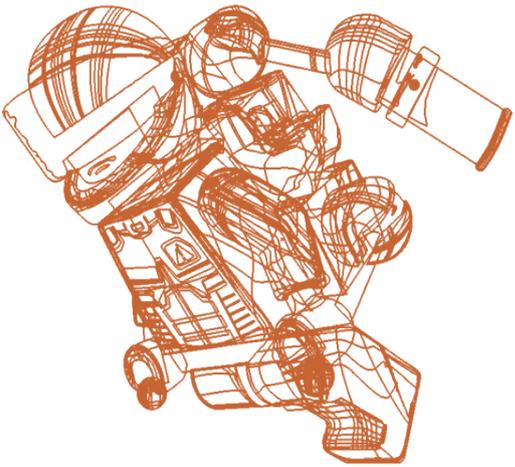
Alan Burke  
@alanjosephburke



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- *“A polyfill is a piece of code that provides the technology that you expect the browser to provide natively.”*
- Remy Sharp - [remysharp.com/2010/10/08/what-is-a-polyfill/](http://remysharp.com/2010/10/08/what-is-a-polyfill/)



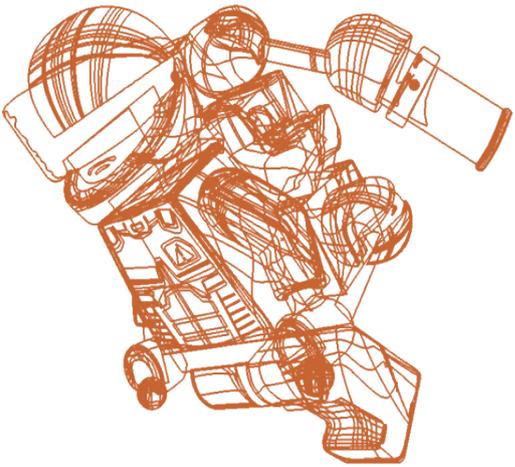


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# Browsers - Old & New

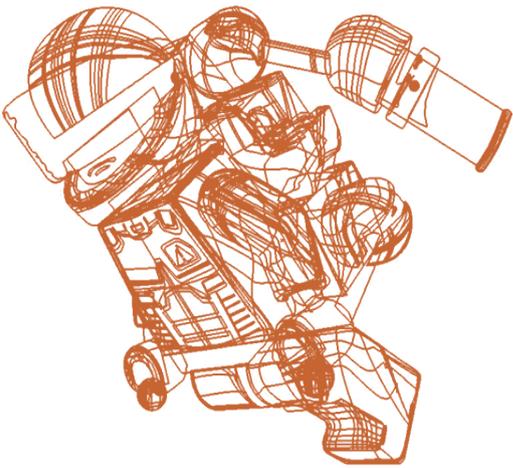


ios 5

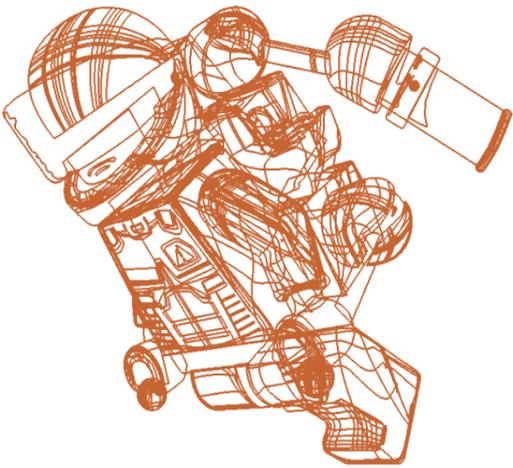


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# What needs help?



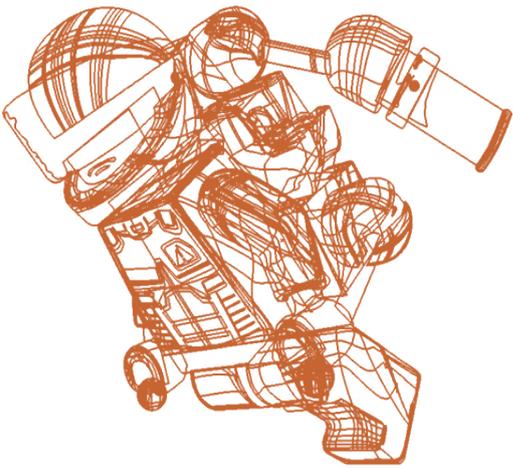
# What needs help?



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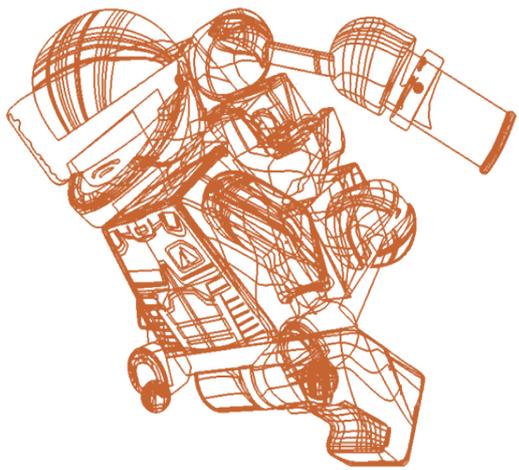
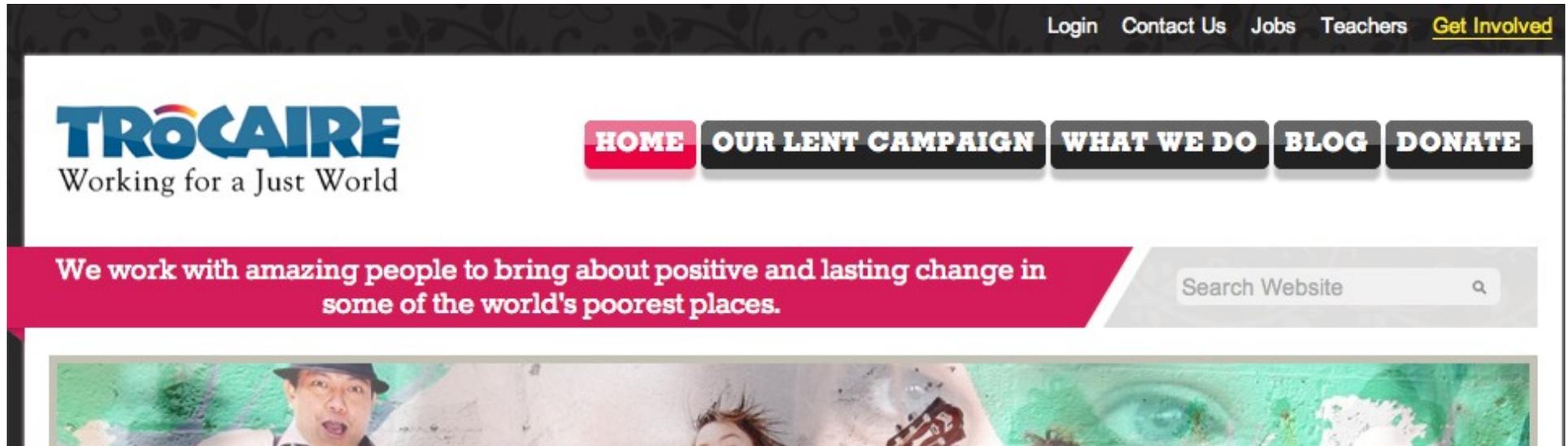
# What needs help?

## HTML



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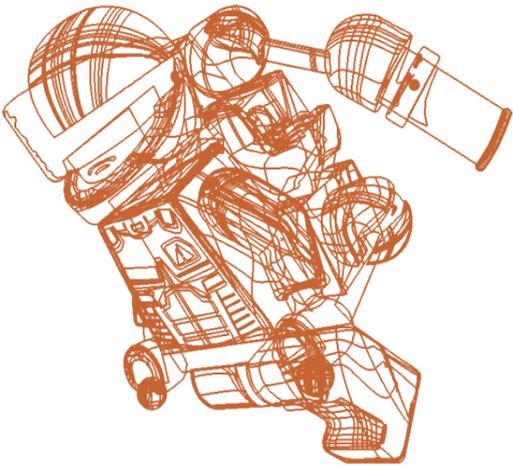
# How?



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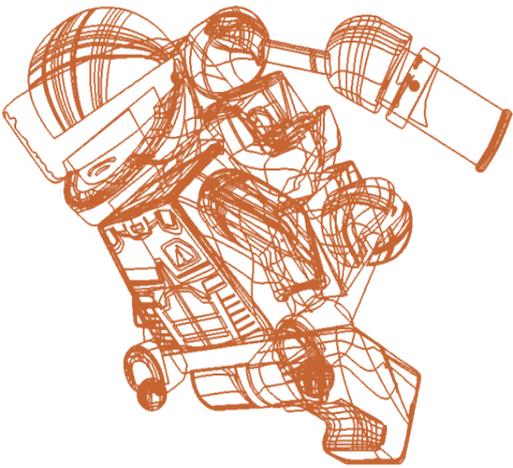
[HOME](#)

[OUR LENT CAMPAIGN](#)



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```
#main-menu li a {
  text-transform: uppercase;
  font: normal 1.3em/1.5 GeometricSlab703BT-XtraBold, Helvetica, Arial,
  text-decoration: none;
  color: #fff;
  letter-spacing: 1px;
  display: block;
  border-radius: 5px;
  background-color: #232223;
  padding: 0.25em 0.5em;
  margin-top: 10px;
  background-image: linear-gradient(top, #666666 50%, #232223 51%);
  box-shadow: 0px 7px 3px #C4C3C4; /* Opera 10.5, IE9, Chrome 10+ */
}
```

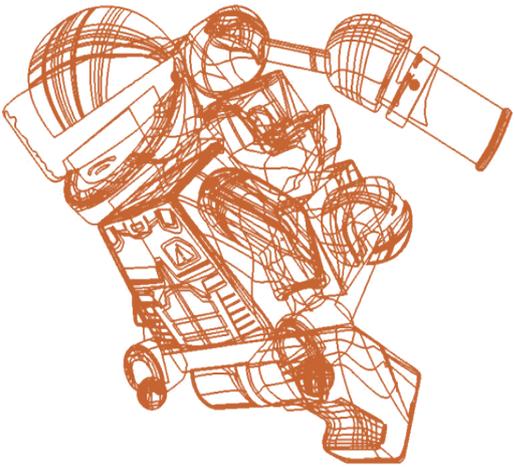


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IE7

HOME

OUR LENT CAMPAIGN

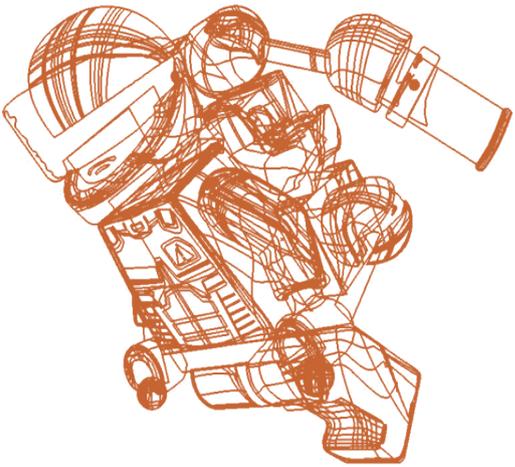


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# Chrome

HOME

GIFTS



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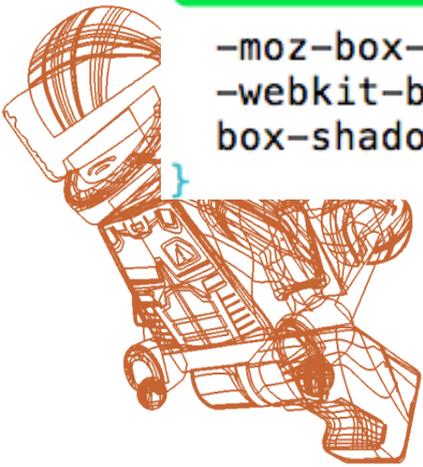
# Add css

```
#main-menu li a {  
  text-transform: uppercase;  
  font: normal 1.3em/1.5 GeometricSlab703BT-XtraBold, Helvetica, Arial, sans-serif;  
  text-decoration: none;  
  color: #fff;  
  letter-spacing: 1px;
```

- ```
display: block;  
  -moz-border-radius: 5px;  
  -webkit-border-radius: 5px;  
  border-radius: 5px;  
  background-color: #232223;  
  padding: 0.25em 0.5em;  
  margin-top: 10px;
```

```
background-image: -moz-linear-gradient(top, #666666 50%, #232223 51%);  
background-image: -webkit-gradient(linear, left top, left bottom, color-stop(50%, #666666), color-stop(51%, #232223));  
background-image: linear-gradient(to top, #666666 50%, #232223 51%);
```

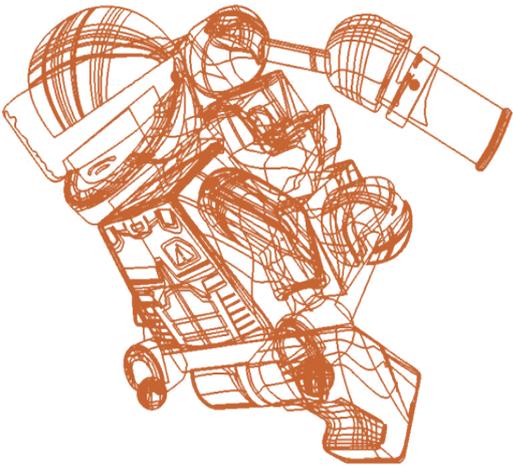
```
-moz-box-shadow: 0px 7px 3px #C4C3C4; /* FF3.5+ */  
-webkit-box-shadow: #C4C3C4 0px 7px 3px;  
box-shadow: 0px 7px 3px #C4C3C4; /* Opera 10.5, IE9, Chrome 10+ */
```



# Chrome

[HOME](#)

[OUR LENT CAMPAIGN](#)

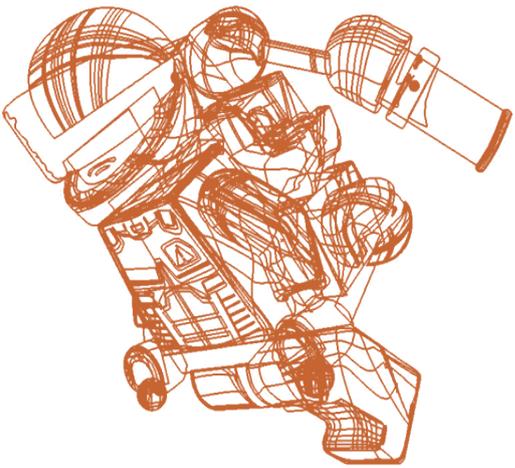


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# IE7

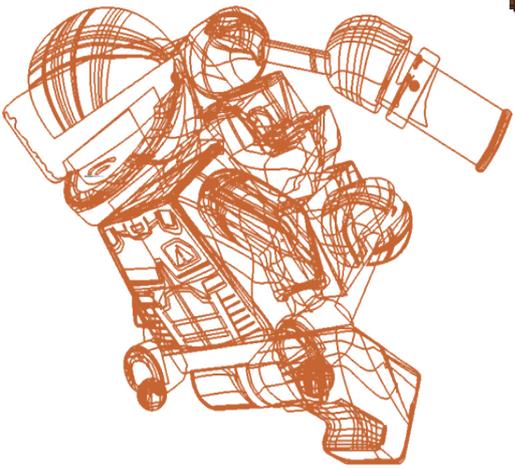
**HOME**

**OUR LENT CAMPAIGN**



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# PIE



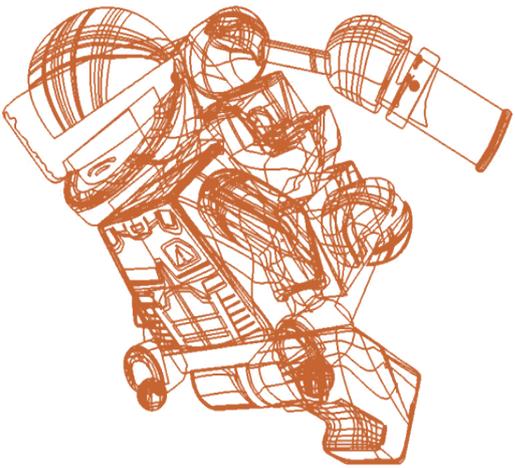
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# PIE

progressive internet explorer

CSS3

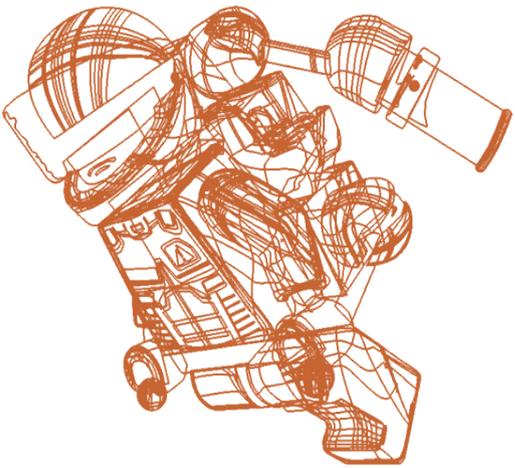
PIE



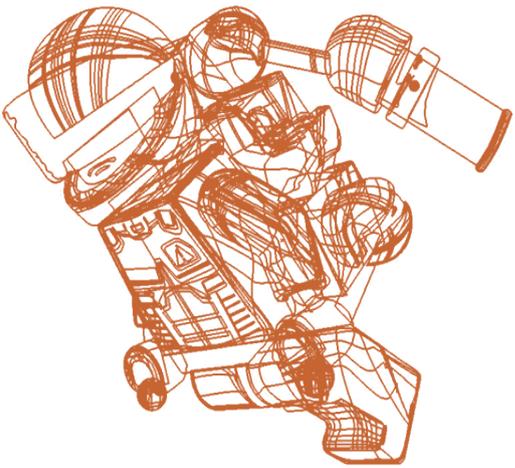
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# PIE

```
#main-menu li a,  
#main-menu li a:active {  
  behavior: url("/sites/trocaire/themes/trocairezen/ie/PIE.htc");  
}  
#main-menu li a{  
  -pie-background: linear-gradient(top, #666666 50%, #232223 51%);  
}  
#main-menu li a.active{  
  -pie-background: linear-gradient(top, #EB7394 50%, #EB0243 51%);  
}  
#main-menu li a:hover {  
  -pie-background: #EB0646;  
}
```



# IE7

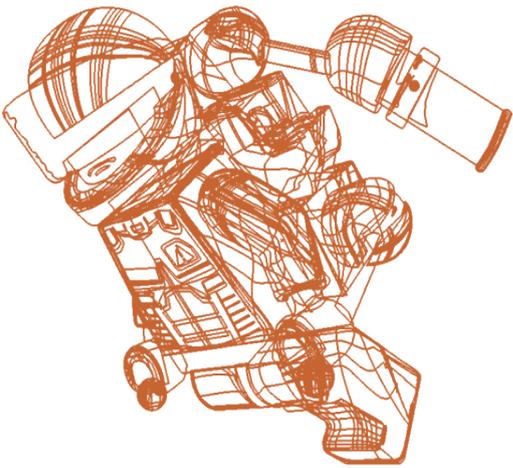


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# HTML5 Shiv

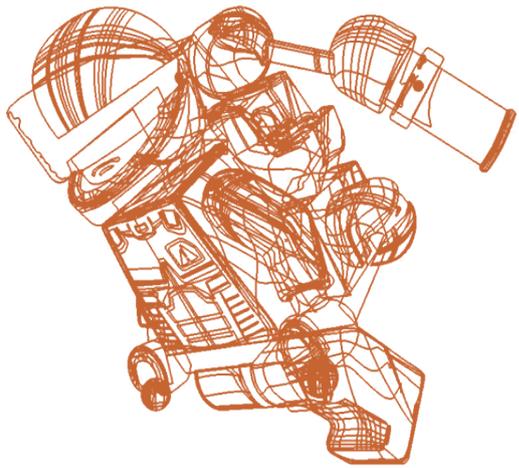
```
<html>
<head>
<style>article{ color: red; }</style>
</head>
<body>
<article>Hello!</article>
</body>
</html>
```

**Result:**



# HTML5 Shiv

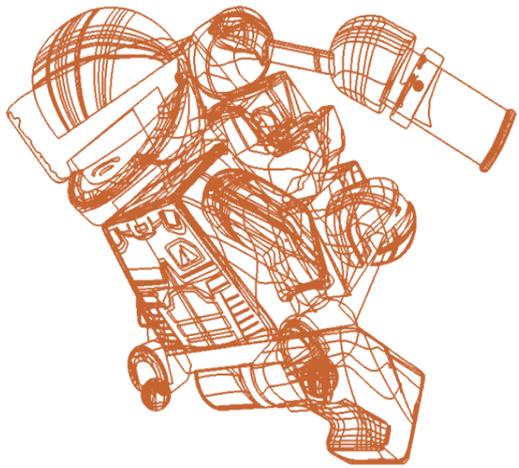
```
<!--[if lte IE 8]>  
<script type="text/javascript" src="http://drupal8.loc/core/misc/html5.js?v=11">  
</script>  
<![endif]-->
```



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# HTML5 Shiv

```
<!--[if lte IE 8]>  
<script type="text/javascript" src="http://drupal8.loc/core/misc/html5.js?v=11">  
</script>  
<![endif]-->
```



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---

```
commit 21730203599313bb61ae4249f4c1cc2e2fe9e2d1
Author: Nathaniel <catch@35733.no-reply.drupal.org>
Date: Thu Nov 17 16:33:06 2011 +0900
```

Issue #1077878 by ericduran, Mark Trapp, JohnAlbin, jessebeach, Jacine: Added HTML5shiv to core.

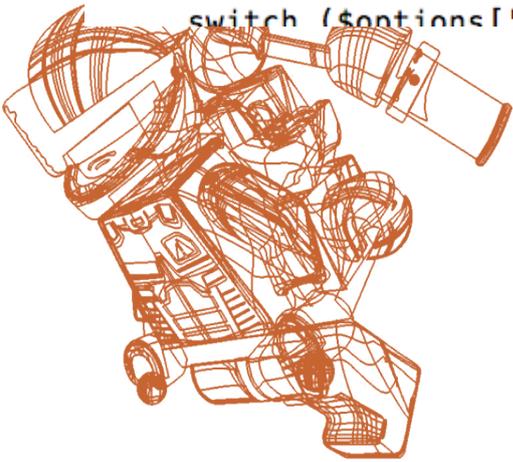
```
diff --git a/core/CHANGELOG.txt b/core/CHANGELOG.txt
index fd6d2d0..72cff54 100644
--- a/core/CHANGELOG.txt
+++ b/core/CHANGELOG.txt
@@ -1,6 +1,7 @@
```

Drupal 8.0, xxxx-xx-xx (development version)

```
+- Included the HTML5 Shiv library to support HTML5 elements in IE 8 and below.
- Included the following Symfony2 components:
  * ClassLoader - PSR-0-compatible autoload routines.
  * HttpFoundation - Abstraction objects for HTTP requests and responses.
```

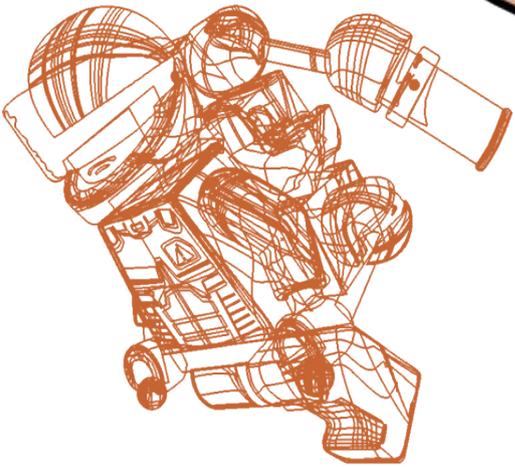
```
diff --git a/core/includes/common.inc b/core/includes/common.inc
index 1bd8b19..f8d1aab 100644
--- a/core/includes/common.inc
+++ b/core/includes/common.inc
@@ -3972,6 +3972,7 @@ function drupal_add_js($data = NULL, $options = NULL) {
    // Register all required libraries.
    drupal_add_library('system', 'jquery', TRUE);
    drupal_add_library('system', 'jquery.once', TRUE);
+   drupal_add_library('system', 'html5shiv', TRUE);
  }

  switch ($options['type']) {
```



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# Why not?

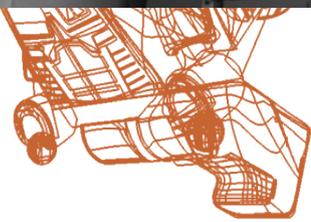


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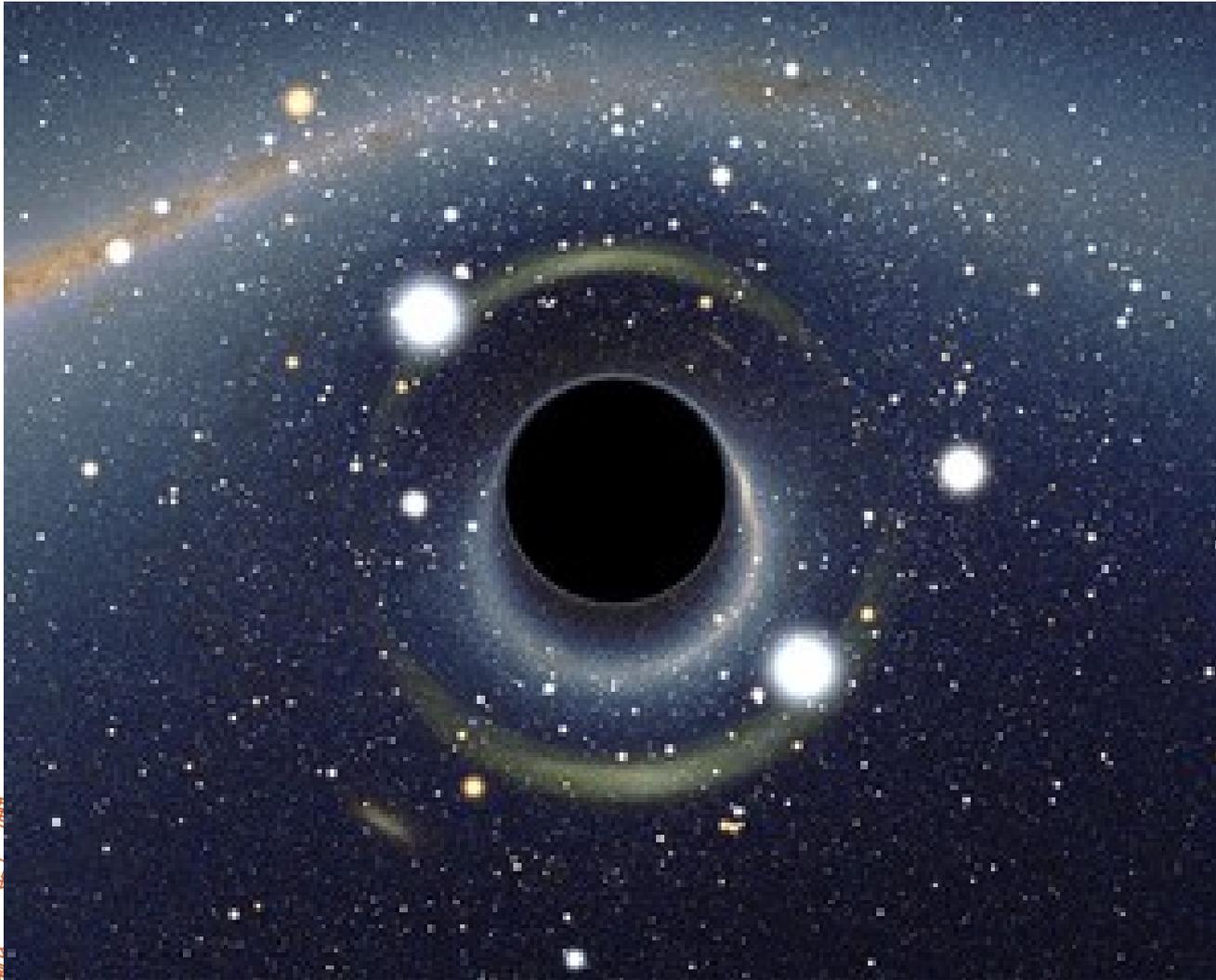
# Why not?



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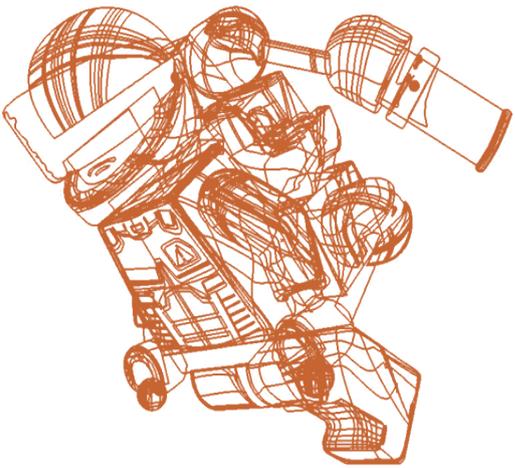
# Alternatives



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# Notable

- Modernizr
- yepnope

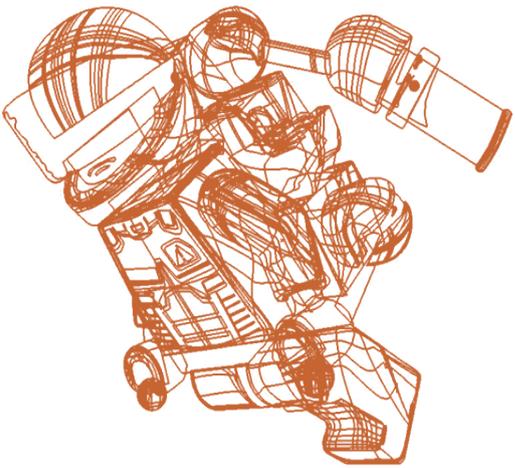


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# Resources

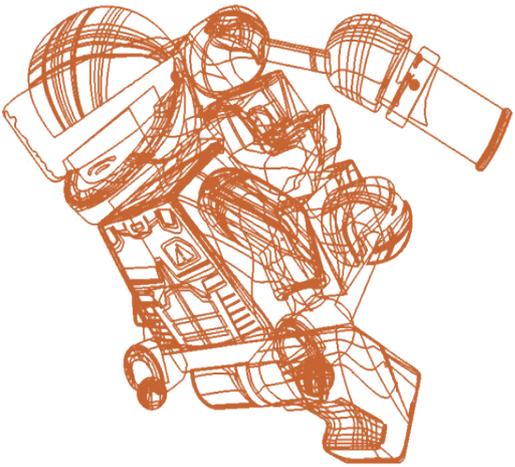
[https://github.com/](https://github.com/Modernizr/Modernizr/wiki/HTML5-Cross-browser-Polyfills)

Modernizr/Modernizr/wiki/HTML5-Cross-browser-Polyfills



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# Questions?



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