

3.1:

Couldn't get it to work right.

3.2:

Used A Php library to load language data from the client's browser and then modified the menu options accordingly.

The library can be found at: http://techpatterns.com/downloads/php_language_detection.php

The library includes the function `get_languages()`.

Calling `get_languages('data');` returns an array of all the client's selected browser languages.

I pull the the basic language string from the first language on the list and use it to reference an array of pre-translated menu options.

```
$langs = get_languages( 'data' );
```

```
$lang = $langs[0][3];
```

```
$menuHome = array("English"=>"Home", "Spanish"=>"Casa", "French"=>"Accueil");
```

```
$menuProducts = array("English"=>"Products", "Spanish"=>"Producto", "French"=>"Produit");
```

```
$menuCart = array("English"=>"Cart", "Spanish"=>"Carro", "French"=>"Chariot");
```

```
...
```

```
<a href="index.php"><?php echo $menuHome[$lang]; ?></a>
```

```
...
```

```
<a href="products.php"><?php echo $menuProducts[$lang]; ?></a>
```

```
...
```

```
<a href="shoppingcart.php"><?php echo $menuCart[$lang]; ?></a>
```

3.3:

I created a Flash animation of my sites logo and posted it on the home page.

I use the SWFObject library to load the flash file.

```
<script type="text/javascript" src="http://ajax.googleapis.com/ajax/libs/swfobject/2.2/swfobject.js"></script>
```

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

```
        swfobject.registerObject("logo", "9.0.0", "expressInstall.swf");
```

```
    </script>
```

```
    <OBJECT classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000" codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#version=6,0,0,0"
```

```
    WIDTH="320" HEIGHT="240" id="logo" ALIGN="">
```

```
    <PARAM NAME=movie VALUE="logo.swf"> <PARAM NAME=quality VALUE=high>
```

```
    <PARAM NAME=bgcolor VALUE=#ffffff> <EMBED src="logo.swf" quality=high bgcolor=#ffffff
```

```
    WIDTH="320" HEIGHT="240" NAME="logo" ALIGN="" TYPE="application/x-shockwave-flash"
```

```
    PLUGINSPAGE="http://www.macromedia.com/go/getflashplayer"></EMBED> </OBJECT>
```

3.4:

I couldn't get it to work.