

# Adding Responsive CSS to SSB

## Authors

Greg Skinner (gas207@lehigh.edu) Bobby Siegfried (rrs207@lehigh.edu)

## Background

With the ever growing use of mobile devices, we needed Self Service Banner to be more mobile friendly. Every app development company, including Ellucian, was tackling this by pulling data out of Banner and displaying it in a clean mobile friendly way. We chose a different approach. We made a very minimal change to Self Service Banner in order to leverage capabilities within CSS. Like most institutions, we are very careful about modding anything with baseline. This change is minimal as far as upkeep, but far reaching in terms of enhancing the product. It is our hope that Ellucian will work to add these changes into the baseline product, but until then, we will continue to share the work that we've done.

## Basic Instructions

- View screenshots at the bottom to see the value of the modification
- Place the provided css file on your banner webserver
- Place a university logo on your banner webserver (if you don't have one already)
- Modify Banner's twbkwbis package to include
  - a link to the provided css file (depending on where you place the css file on your server, you may need to modify the path)
  - a viewport html tag so that mobile browsers will scale the page appropriately
- Customize the css file to use your institutional colors
- Customize the css by defining your university logo url within the div.pageheaderdiv1 CSS rule

## Detailed Instructions

### Banner modifications

We had our Enterprise Systems group (our Banner team) modify the twbkwbis package. In the package, within the PROCEDURE p\_opendoc () add the following

```
HTP.p('<link rel="stylesheet" href="/css/custom.css" TYPE="text/css">');
HTP.p('<meta name="viewport" content="width=device-width, initial-scale=1,
maximum-scale=2, minimum-scale=1,user-scalable=yes">');
```

### Our custom.css file

Note: Keep this file on the same server as banner, otherwise if the hosting server goes down, banner will revert to it's old look. (NOTE: We've preserved this pdf, but we recommend everyone using the latest CSS on GitHub (<https://github.com/Lehigh-University-WMS/Responsive-CSS-Banner-8-SSB>))

```
/* file: custom.css
 * last update: 10-16-14
 * purpose: custom styles to override base styles of existing Banner SSB theme
 */

@import url(https://fonts.googleapis.com/css?family=Ropa+Sans:400);
body,
body.campuspipeline,
table td.pldefault,
table td.dddefault,
table td.deddefault,
table td.delabel,
```

```

table td.ddlabel,
table td.deheader,
table th.ddheader,
.infotext,
.captiontext {
    font-family:helvetica, arial, sans-serif;
}
a,
a:link,
a:visited,
a.submenulinktext1,
a.submenulinktext1:visited,
a.submenulinktext2,
a.submenulinktext2:visited {
    color:#497ba4;
}
a:hover,
a:active,
a:focus,
a.submenulinktext1:hover,
a.submenulinktext1:active,
a.submenulinktext1:focus,
a.submenulinktext2:hover,
a.submenulinktext2:active,
a.submenulinktext2:focus {
    color:#497ba4;
}
span.fieldOrangetextbold
{
font-weight: bold;
font-size: 1.1em;
color:#502d0e;
}
span.warningtext
{
color:#990000;
}
/* PAGE HEADER OVERRIDES */
body {
    background-image:none;
}
div.pageheaderdiv1 {
    background:url('/wtlgifs/lehigh_official_horiz_logo_pms.png') no-repeat top left;
    background-size:380px;
    margin-left:10px;
    display:block;
    height:50px;
}
/* just for HMRT */
div.pageheaderdiv1 h1 {
    padding-top:50px;
    display:none;
}

td.tabon,
td.taboff {
    background-image:none;
    font-weight:normal;
    font-size:13px;

```

```

border-top-left-radius:6px;
border-top-right-radius:6px;
color:#ffffff;
padding:5px 8px 0;
}
td.tabon {
background-color:#502d0e;
border:1px solid #502d0e;
}
td.taboff {
background-color:#958472;
border:1px solid #7d6a55;
}
td.taboff:hover {
background-color:#b2a69a;
color:#ffffff !important;
}
td.taboff a,
td.taboff a:visited {
color:#e7e2d8 !important;
}
td.taboff a:hover,
td.taboff a:active {
color:#ffffff !important;
}
td.bgtabon,
td.bgtaboff {
background-color:#ffffff;
border-bottom:1px solid #502d0e;
}
td.bgtabon img,
td.bgtaboff img {
display:none;
}

/* search block */
.headerlinksdiv2 {
background-color:#e7e2d8;
padding:5px;
}
hr
{
color: #958472;
}

/* page title */
.pagetitlediv td h2 {
font-family:"Ropa Sans", helvetica, arial, sans-serif;
font-size:1.8em;
text-transform:uppercase;
color:#502d0e;
margin:0;
}
.pagetitlediv td.bg3 {
background-color:#ffffff;
}
.pagetitlediv td.bg3 img {
display:none;
}

```

```

/* body or main content tables */
td.mpdefault {
    font-size:1.25em !important;
}
td.mpdefault span.menulinkdesctext {
    font-size:.6em;
    line-height:1.6em;
}
/* prospect page */
td.indefault img.headerImg {
    display:none;
}
.requiredmsgtext,
.fieldrequiredtext {
    color:#cc0000;
    font-weight:bold;
    padding:0 4px;
}
.requiredmsgtext {
    display:block;
    margin-bottom:10px;
}
table.infotexttable {
    font-size:1.1em;
}
table.dataentrytable {
    background:#e6e6e6;
    padding:8px;
    margin-bottom:15px;
}
.captiontext {
    font-style:normal;
    font-weight:normal;
    font-family:"Ropa Sans", helvetica, arial, sans-serif;
    font-size:1.45em;
    color:#502d0e;
}
table td.delabel,
table th.delabel,
table td.ddlabel,
table th.ddlabel,
table td.ddtitle,
table td.detitle,
table th.ddtitle,
table th.detitle,
table td.deheader,
table td.dddefault
{
    background-color:#f0f0f0;
    vertical-align:middle;
    font-size:.75em;
    padding: 2px 8px 2px 0px;
}
table th.ddheader {
    vertical-align:middle;
    font-size:.75em;
    padding: 2px 8px 2px 0px;
}

```

```

table td.dedefault,
table td.dddefault {
    vertical-align:middle;
}
table td.dddefault {
    border-bottom:1px solid #e6e6e6;
}

table th.ddheader,
table th.detitle,
table th.ddtitle,
table th.delabel,
table td.ddlabel,
table th.ddlabel
{
    background-color:#e2e2e2;
}
table.datadisplaytable {
border-spacing: 0px 0px;
margin-bottom:15px;
background-color:#e2e2e2;
padding:6px;
margin: 0px;
}
table.datadisplaytable td, .datadisplaytable td p
{
    vertical-align:middle;
    margin:2px 8px 2px 0px;
    padding: 3px;
}
/* general form element styles */
input,
textarea,
select {
    font-weight:normal;
    font-size:1.2em;
}
input[type='text'],
input[type='password'] {
    padding:5px 4px;
    margin:0 5px 0 0;
    outline:none;
    border-radius:4px;
    border:1px solid #d0d0d0;
}
input[type='checkbox'],
input[type='radio'] {
    margin:6px 4px;
    position:relative;
    top:2px;
}
textarea {
    width:98%;
    padding:5px;
    margin:0 5px 0 0;
    border:1px solid #d0d0d0;
}
select {
    padding:4px 0;

```

```

margin:0 3px 0 0;
min-width:80px;
border-radius:4px;
border:1px solid #d0d0d0;
}
input[type='submit'],
input[type='reset'],
input.button,
button {
background-color:#502d0e;
padding:6px 25px;
border-radius:6px;
font-weight:normal;
font-size:1em;
color:#ffffff;
text-shadow:1px 1px 2px #333333;
cursor:pointer;
letter-spacing:1px;
margin:0 auto;
border:1px solid #341c07;
position:relative;
top:-1px;
}
input[type='submit']:hover,
input[type='reset']:hover,
input.button:hover,
button:hover,
input[type='submit']:active,
input[type='reset']:active,
input.button:active,
button:active {
background-color:#b2a69a;
text-decoration:underline;
border:1px solid #958472;
}
/* MEDIA QUERIES */
@media only screen and (max-width: 768px) {
.headerlinksdiv td,
.headerlinksdiv td {
display:block !important;
width:100%;
border-top-left-radius:0;
border-top-right-radius:0;
border-bottom:1px solid #7d6a55;
}
.headerlinksdiv td.bgtabon,
.headerlinksdiv td.bgtaboff,
.plaintable td.bgtabon,
.plaintable td.bgtaboff {
display:none !important;
}
.headerlinksdiv table table,
.plaintable table {
width:99%;
}
table.dataentrytable td
{
display:block !important;
}
}

```

```
}  
@media only screen and (max-width: 450px) {  
div.pageheaderdiv1 {  
    background:url('/wtlgifs/lehigh_official_horiz_logo_pms.png') no-repeat top left;  
    background-size:300px;  
    margin-left:10px;  
    display:block;  
    height:50px;  
}
```

```
}  
}  
}
```

## Example Screenshots

### Old Desktop Screenshot (yeah it needed a lot of work)

[Main Menu](#) [Personal Information](#) [Student Services](#) [Faculty Services](#) [Advancement Officers](#) [Employee](#) [WebTailor Administration](#)

Search

---

### Main Menu

---

**Welcome, Gregory A. Skinner, to the Lehigh Enterprise Wide Information System (LEWIS) !** Last web access on Sep 03, 2003.

**Personal Information**  
View your Lehigh ID Number; Update or view addresses; Review name or Social Security Number change information; Change your PIN; Customize your directory profile.

**Advancement Officers**  
Search for a constituent, organization or prospect; Enter contact information and a call report; Review constituent or organization profile, prospect profile, giving his information.

**Employee**  
View payroll statements, earnings and deductions history; View current information about your benefits and deductions; Enroll in Flexible Benefits during open enrollment time sheet (for student employees).

**Faculty & Advisors**  
Enter Grades and Registration Overrides, View Class Lists and Student Information

**Student Services**  
Apply for Admission, Register, View your academic records

**WebTailor Administration**  
Customize the Web pages for your institution; Update user roles.

**Application Status Information**

---

[Return to Homepage](#)

### New Desktop Screenshot



[Main Menu](#) [Personal Information](#) [Student Services](#) [Faculty Services](#) [Advancement Officers](#) [Employee](#) [WebTailor Administration](#)

Search

---

### MAIN MENU

**Personal Information**  
View your Lehigh ID Number; Update or view addresses; Review name or Social Security Number change information; Change your PIN; Customize your directory profile; Register your International Travel Information.

**Advancement Officers**  
Search for a constituent, organization or prospect; Enter contact information and a call report; Review constituent or organization profile, prospect profile, giving history, alternate names and IDs; Customize your profile.

**Employee**  
View payroll statements, earnings and deductions history; View current information about your benefits and deductions; Enroll in Flexible Benefits during open enrollment; View your W-4 and W-2 information (for student employees).

**Faculty & Advisors**  
Enter Grades and Registration Overrides, View Class Lists and Student Information

**Student Services**  
Apply for Admission, Register, View your academic records

**WebTailor Administration**  
Customize the Web pages for your institution; Update user roles.

**Application Status Information**

---

[Return to Homepage](#)



## New Mobile Screenshots

<

>

https://louieweb.cc.lehigh.e

Done



### Main Menu

Personal Information

Student Services

Faculty Services

Advancement Officers

Employee

WebTailor Administration

### Search

Go

[SITE MAP](#)  
[HELP](#) [EXIT](#)

## MAIN MENU

### Personal Information

View your Lehigh ID Number; Update or view addresses;  
Review name or Social Security Number change information;  
Change your PIN; Customize your directory profile; Register  
your International Travel.





Generally, the information is valid as of your last pay date. The information may not be correct after the first pay cycle of the fiscal year if at that point either of your leave balances were negative or showed an excess positive balance (i.e., an amount greater than that which can be carried forward from one year to the next). Leave balance adjustments for these situations will be made in the second pay cycle of the fiscal year.

If you have questions about your vacation or floating holiday time reported during the year, please contact the Payroll Office (Send E-mail to [inpayrol@lehigh.edu](mailto:inpayrol@lehigh.edu) or call extension 83150).

## List of Leave Types

TYPE of Leave	Hours or Days	Available Beginning Balance	Earned	Taken	Available Balance
Vacation Hours		186.75	146.70	91.00	242.45
Floating Holiday	Hours	.00	24.00	24.00	.00

[ [Pay Stub](#) ]

RELEASE: 8.10

