

Web Design & Development – “By the Sea B&B”



Name: Shane Anderson
Student No: 10379530

CONTENTS

| | |
|--|---|
| 1. Background for the Development of The Website | 2 |
| 2. Accessibility | 2 |
| 2.1 Search Engine Optimization | 2 |
| 3. HTML..... | 2 |
| 3.1. CSS | 2 |
| 4. JavaScript / JQuery Implementation..... | 3 |
| 5. Evaluation: Strengths and Weaknesses | 3 |
| 6. Conclusions | 3 |
| Appendix A – JavaScript..... | 3 |
| Appendix B – CSS | 4 |

1. BACKGROUND FOR THE DEVELOPMENT OF THE WEBSITE

IDE Utilization

Primarily upon commencing the website I researched web design software which would enhance the construction of the website in which to save time & minimize errors during the construction of Gillian Moore's B&B brochure website. I decided on the "Webstorm" IDE. Webstorm provided powerful navigation tools with very beneficial functions such as live edit in HTML, CSS & JavaScript & seems to be the industry standard in web development.

B&B Research

I examined B&B's located in Galway to gather ideas for designing the brochure website in which the website content essentials & design were decided.

I tried to encapsulate the beauty of Galway's scenery into the website selecting images from nature to make the website & location more enticing for the prospective customer.

2. ACCESSIBILITY

2.1 SEARCH ENGINE OPTIMIZATION

- Meta data was added in the <head> tags for each webpage.
- Powerful back links should be implemented in which googles algorithm

3. HTML

Upon designing the webpages for the website I decided on a basic template which runs throughout the website in which additional content could then be added to the template based on the criteria required for each page.

3.1. CSS

CSS was implemented for website styling in which the basic website template consisted of a top navigation bar, page border, overlay footer – Navigation bar & footer in which this helped encapsulate additional content which is illustrated through-out the website. CSS helped arrange the positions of the "div" elements.

4. JAVASCRIPT / JQUERY IMPLEMENTATION

JQuery was implemented for automated page Scrolling “More information Button”, Google Maps & the frequently asked questions section. Please see appendix for more information.

5. EVALUATION: STRENGTHS AND WEAKNESSES

Erroneous Code

- Simple errors like not closing element tags delayed the construction of the website.
- Getting the API key to get google maps working
- Path locations to CSS files and images
- Errors with putting the footer in the correct position.
- Getting the JQuery / JavaScript working

Implementation of more JavaScript / JQuery

Additional content to be added if more time was permitted such as social media links

6. CONCLUSIONS

APPENDIX A – JAVASCRIPT

```
$(document).ready(function() {  
  
    // Navigation Scroll  
    $(function() {  
        $('a[href*="#]:not([href=#])').click(function() {  
            if (location.pathname.replace(/^\/$/, '') ==  
this.pathname.replace(/^\/$/, '') && location.hostname ==  
this.hostname) {  
                var target = $(this.hash);  
                target = target.length ? target : $('[name=' +  
this.hash.slice(1) +']');  
                if (target.length) {  
                    $('html,body').animate({  
                        scrollTop: target.offset().top  
                    }, 1000);  
                    return false;  
                }  
            }  
        });  
    });  
});
```

```

/* FAQ */

$(document).ready(function() {
    $('dd').hide();
    $('dt').click(function()
    {var up = $(this).nextUntil('dt');
      up.slideToggle(100);});
});

/* Map */
new GMaps({
  div: '.map',
  lat: 53.270962,
  lng: -9.062691,
  scrollwheel: false,
  zoom: 16
});

```

APPENDIX B – CSS

```

/* ----- */
/* Basic Styling */
/* ----- */

html, body {
  margin: 0px;
  background-color: #000;
  color: #0174c5;
  font-family: Helvetica, Arial, sans-serif;
  font-size: 14px;
  overflow-y: scroll;
  overflow-x: hidden;
}

h1{
  height: 0px;
  text-indent: -99999px;
  font-size: 1px;
  position: absolute;
}
h2{
  color: #ffffff;
  position: absolute;
  text-indent: -99999px;
}
h3{
  color: #fff;
  font-family: StrangeloveNextNarrow, sans-serif;
  font-weight: normal;
  letter-spacing: 2px;
  font-size: 40px;
}

```

```

        margin: -4px 0px 2px 0px;
    }

    /* ----- */
    /* Top Nav Color */
    /* ----- */
    p{
        -webkit-font-smoothing: antialiased;
        font-size: 14px;
        line-height: 20px;
        color: #0174c5;
        margin: 0px 0px 12px 0px;
        padding-right: 10px;
    }
    p strong{
        color: #ddd;
    }
    p.large{
        font-size: 20px;
        color: #fff;
    }
    p.large strong{
        background-color: #30363a;
        padding: 0px 4px 0px 4px;
    }
    p a{
        color: #fff;
        text-decoration: none;
        border-bottom: 1px dotted #888;
    }
    p a:hover {
        border-bottom: 1px dotted #fff;
    }

    /* ----- */
    /* B&B Logo */
    /* ----- */

    #bblogo {

        position: absolute;

        top: 90px;

    }


    /* ----- */
    /* What's On Styling */
    /* ----- */

    #whatson {

        position: absolute;
        right: 260px;
    }

```

```

    top: 100px;
    padding-bottom: 200px;

}
/* ----- */
/* Contact Box Position */
/* ----- */

/* ----- */
/* Booking & Contact Positions */
/* ----- */

#contact-us {

    position: absolute;
    right: 560px;
    top: 100px;
    padding-bottom: 100px;

}

#contactbook {

    position: absolute;
    right: 870px;
    top: 100px;
    padding-bottom: 100px;

}

/* ----- */
/* Sitemap Position */
/* ----- */

#sitelinks {

    position: absolute;
    right: 870px;
    top: 100px;
    padding-bottom: 100px;
    color: #000000;
    width: 200px;
    border: 5px gray;

    background: rgba(255, 255, 255, 0.8);
    box-shadow: rgba(255, 255, 255, 0.4) 10px 10px;
    font-family: WG;
    font-size: 100%;
    line-height: 1.5em;

}

/* ----- */
/* Frequency Asked Questions */
/* ----- */

#faq li a {

    text-decoration: underline;
    position: absolute;

```

```

padding-right: 200px;
top: 100px;
padding-bottom: 100px;
right: 500px;
}
#faq{
width: 400px;
border: 5px gray;
padding: 50px;
margin: 50px;
background: rgba(255, 255, 255, 0.8);
box-shadow: rgba(255, 255, 255, 0.4) 10px 10px;
font-family: WG;
font-size: 100%;
line-height: 1.5em;
text-align: left;
right: 2060px;
}

#faq-position {
position: absolute;
right: 220px;
top: 100px;

}

/* ----- */
/* Galway Image */
/* ----- */

#boxwrap {
position: absolute;
left: 300px;
top: 200px

}

/* ----- */
/* Page Borders */
/* ----- */
#top, #bottom, #left, #right {
position: fixed;
outline: 3px solid #0174c5;
background: #fff;
}

#left, #right {
top: 0;
bottom: 0;
width: 111px;
}

#left {
left: 0;
}

#right {

```



```

        right: 0;
    }

    #top, #bottom {
        left: 0;
        right: 0;
        height: 0px;
    }

    #top {
        top: 0;
    }

    #bottom {
        bottom: 0;
    }

    /* ----- */
    /* Index Page Left & Right Sea Images          */
    /* ----- */

    .sideleft {
        float: bottom;
        bottom: -620px;
        width: 112px;
        clear: left;
        position: absolute;
        left: -11px
    }

    .sideright {
        float: bottom;
        bottom: -620px;
        width: 112px;
        clear: right;
        position: absolute;
        right: -1px
    }

    }

    /* ----- */
    /* Navigation Box Content                        */
    /* ----- */
    #navboxplace{
        height: 90px;
        margin-bottom: -90px;
    }
    #navboxplace.start{
        margin-top: 520px;
        margin-bottom: -90px;
    }

    /* ----- */
    /* Top Navigation Bar                          */
    /* ----- */

    #navbox{
        width: 100%;

```

```

margin: 0 auto;
height: 90px;
position: fixed;
top: 0px;
z-index: 500;
background-color: #000;
border-top: 1px dotted #000;
margin-bottom: -90px;
box-shadow: 0px 0px 8px rgba(0,0,0,.5);
}
#navbox.start{
width: 980px;
position: relative;
border-top: 1px dotted #555;
}
#navbox.start a.logo{
cursor: default;
}
#nav{
height: 23px;
left: 155px;
top: 44px;
position: relative;
}
#nav a{
text-indent: 99999px;
text-align: right;
line-height: 50px;
display: inline-block;
height: 23px;
background-image: url( );
background-size: auto 47px;
background-repeat: no-repeat;
margin: 0px;
position: absolute;
text-decoration: none;
overflow: hidden;
border-radius: 1px;

transition: all .5s;
-moz-transition: all .5s;
-webkit-transition: all .5s;
-o-transition: all .5s;
}
#nav a:hover{
opacity: 1;
}

.anchor{
display: block;
margin: 0px;
padding: 0px;

/* ----- */
/* Topbar Footer */
/* ----- */
#laycontent{
font-family:tall_films_expandedregular, Helvetica, san-serif;
font-size:24px;
line-height:24px;
letter-spacing:1px;

```

```

        -webkit-font-smoothing: antialiased;
        text-transform:uppercase;
    }

    #laycontent }
    #laycontent #topbar h1{
        margin:0px;
        padding:0px;
    }
    #laycontent #topbar h1 img{
        width:70%;
        height:64px;
        max-width:980px;
        margin:10px 20px;
        padding:0px;
    }

    #laycontent #overlayfooter{
        position:absolute;
        bottom:0px;
        left:0px;
        width:100%;
        background:black;
        z-index:300;
        text-align:center;
    }
    #laycontent #overlayfooter p{
        padding:0px 0px;
        margin:0px;
        -webkit-border-radius: 70px;
        -moz-border-radius: 70px;
        border-radius: 70px;
    }
    /*---Overlay Font Colour---*/
    #laycontent a{
        text-decoration:none;
        color:#0174c5;
    }
    #laycontent a:hover{
        color:#f6bb00;
        -webkit-border-radius: 70px;
        -moz-border-radius: 70px;
        border-radius: 70px;
        border: 2px red;
    }
    /*----Overlay----*/
    .galwaybb{
        background-color:#fff;
        background-image: url();
        background-width: 100%;
        background-repeat: no-repeat;
        background-position: center top;
        background-attachment: fixed;
        -webkit-background-size: cover;
        -moz-background-size: cover;
        -o-background-size: cover;
        background-size: cover;
    }

```

```

/* ----- */
/* Overlay Footer Styling */
/* ----- */

.galwaybb #overlayfooter{
    border-top:-111px solid white;
    border-top:1px solid rgba(255,255,255,0.7);
    position:fixed !important;
}
#galwaybbcontent{
    margin:15% 5%;
    width:45%;
}
#galwaybbcontent p{
    font-size:40px;
    line-height:48px;
    margin:0px;
}
#galwaybbcontent h2{
    margin:0px;
    padding:0px;
    margin-bottom:85px;
}
#galwaybbcontent h2 img{
    width:100%;
    height:auto;
}
#galwaybbcontent p a:hover{
    color:red;
}
.galwaybb #overlayfooter form{
    float:none;
    width:auto;
    display:inline-block;
}
.galwaybb #overlayfooter #footercontent{
    padding:0px 0px;
    margin:0px;
    border-radius: 70px 70px;
    border-color: #fff;
}

.wrap{
    width: 980px;
    margin: 0 auto;
}
a{
    transition: all .5s;
    -moz-transition: all .5s;
}

```

```

    -webkit-transition: all .5s;
    -o-transition: all .5s;
}
/* all handheld devices */
@media all and (min-device-width : 300px) and (max-device-width :
1200px) {
    html, body {
        overflow: hidden;
    }

    p {
        font-size: 17px;
        line-height: 24px;
    }
}

/* ----- */
/* Footer */
/* ----- */

.footer {
    background-color: #0a0a0a;
    font-size: 100%;
    color: #1b1b1b;
    border-top: 1px dotted #f6bb00;
    border-top-width: thin;
    clear:both;

    padding-top: 30px;
    padding-bottom: 40px;
}

.wrapper {
    min-height: 100%;

    /* Equal to height of footer */
    /* But also accounting for potential margin-bottom of last
child */
    margin-bottom: 320px;
}

/* ----- */
/* Google Maps - Main Index */
/* ----- */

.map {
    width: 84%;
    height: 300px;
    float: bottom;
    bottom: 0px;
}

```

```

    left: 115px;
    border-top: 1px dotted #f6bb00;
}

.wrapper {
    min-height: 100%;

    /* Equal to height of footer */
    /* But also accounting for potential margin-bottom of last
child */
    margin-bottom: 0px;
}

/* ----- */
/* Pushes Footer Down when additional content is added */
/* ----- */

.push {
    height: 760px;
} /* -----What's On----- */

.pushwo {
    height: 2500px;
} /* -----Local Attraction----- */

.pushla {
    height: 2500px;
} /* -----Contacts----- */

.pushcontact {
    height: 950px;
} /* -----Sitemap----- */

.push-sitemap {
    height: 950px;
}

```