Tyler Delger and Michael Pham

Integrated capstone project  Spring 2025

Andrew Heidelberger Construction

Table of Contents

[Overview: 2](#_Toc196980673)

[MEASUREMENT OF SUCCESS: 2](#_Toc196980674)

[Technical Details: 2](#_Toc196980675)

[MAIN ELEMENTS OUTLINE: 2](#_Toc196980676)

[SITE STANDARDS: 4](#_Toc196980677)

[GRAPHICS SPECIFICATIONS: 4](#_Toc196980678)

[NAMING CONVENTIONS: 4](#_Toc196980679)

[INDUSTRY STANDARD: 4](#_Toc196980680)

[DEVELOPMENT STANDARD: 5](#_Toc196980681)

[MAINTENANCE PLAN: 6](#_Toc196980682)

[EXTERNAL CSS: 8](#_Toc196980683)

# Overview:

**Purpose of the site:** Andrew Heidelberger Construction is a professional construction and remodeling business based in Isanti, Minnesota. The website is used to showcase the services, show previous projects that they worked on, and provide a contact method for possible users.

# MEASUREMENT OF SUCCESS:

**What will be measured:** Customer satisfaction.

**Measurment of Success:** The number of forms that have been submitted every month. User feedback by going to Andrew’s Facebook page through the website.

# Technical Details:

**How the site was built:** This site was built using HTML, CSS, JavaScript.

**Hosting:** The site is being hosted through Netlify. Capstone2025 (which contains the Andrew Heidelberger Construction website) GitHub repository is connected to Netlify to be hosted.

**CMS:** The site will use CMS to allow Andrew Heidelberger to update the site whenever he wants. The files that were used to create the CMS were HTML, JSON, MD, and YML.

# MAIN ELEMENTS OUTLINE:

* **Homepage**: The Homepage provides an introduction of the website. Shows users options to select the interiors or exteriors services. Gives a sneak peek of their completed projects. Finally, at the bottom of the home page, the site asks the user whether they are ready to go to the Contact Us page.
* **About Us:** The About Us page provides information about Andrew himself and how he established Andrew Heidelberger Construction. This page also shows the user why they should choose their company. At the bottom of the page, there is a button that links to the Contact Us page.
* **Interiors:** The Interiors page explains what the interiors services contain. Also, the page has photos for each service that when clicked, directs them to that specific service.
  + **Kitchens:** This page advertises to the user the reason why they do Kitchen remodels. If the user liked what they read, they would click on the “Portfolio” link, which would lead them to a gallery of kitchen photos. Every service page has a picture of what Andrew, and his team built on the right side of the page, not just for kitchens.
  + **Bathrooms:** This page provides information about what kind of work they do with bathrooms. Also, it includes a “Portfolio” button that links them to a gallery of bathroom photos.
  + **Basements:** This page gives ideas on what the user may want as a basement. The “Portfolio” button leads them to a gallery of basement photos.
  + **Flooring:** This page explains to the user what type of flooring they may be interested in. The “Portfolio” button directs them to a gallery of flooring photos.
  + **Staircase + Railing:** This page shows information about whether they want to install a whole new staircase or just the railing. The “Portfolio“ button will bring them to a gallery of staircase photos.
  + **Additions:** This page provides information about what kind of additions the user would like. The “Portfolio” button will bring them to a gallery of additions photos.
* **Exteriors:** The Exteriors page explains what kind of services they provide for the exteriors. At the bottom of the page, there are photos that represent each service. When clicked on a specific service, the user will then be directed to it.
  + **Decks + Patios:** This page gave ideas on what users can do on a deck or patio. The “Portfolio” button will bring them to a gallery of deck and patio photos.
  + **Windows + Doors:** This page advertises to the user about windows and doors. The “Portfolio” button will bring them to a gallery of windows and doors photos.
  + **Siding + Roof:** This page tells the user that they do repairs and full replacements. The “Portfolio” button will bring users to a gallery of siding and roof photos.
* **Portfolio:** The Portfolio page is a gallery filled with different types of photos for each service. The pages that contain the services link to this page as well.
* **Contact Us:** The Contact Us page provides contact information for the user, if they want to reach out to Andrew Heidelberger. They can also use the form to provide details of what projects they want done.

# SITE STANDARDS:

## GRAPHICS SPECIFICATIONS:

* **Process for adding or changing a graphic:** By using the CMS that was integrated into the website.
* **Legalities:**
* **Copyright Materials:**
* Copyright materials are **NOT** allowed on this site as of right now. Only materials owned by Andrew Heidelberger are allowed on this site.
* Approval must be granted by Andrew Heidelberger in order to add more images and content to the website.
* **Personal Materials:**
* The use of Personal materials is allowed on the site.
* **Open source or “Free graphics”**:
* Open source graphics, video or audio (assets) are **NOT** allowed on the site.
* **File Size Requirements:**
* **Dimensions:** The dimensions of all images must be smaller than the container in which it will display.
* Be sure to check the margins, padding, and borders assigned to the containers.
* Use the appropriate graphics editing tool to resize the graphics.
* **File Size:** There is no restriction on file size as the connection speeds of the users of this size will generally be a high-speed broadband internet connection (25MB or higher).

## NAMING CONVENTIONS:

### INDUSTRY STANDARD:

This site will be developed following the most recent industry standard for Windows, MAC, and Unix/Linux. The most recent standard allows up to 255 characters, spaces, and most special characters.

### DEVELOPMENT STANDARD:

Pages for this “Andrew Heidelberger Construction” Website will be named using the link names without any spaces or special characters (other than the underscore), and names cannot exceed 31 characters. You must follow the WCAG guidelines.

* about.html
* addition.html
* basement.html
* bathroom.html
* contact.html
* deck\_patio.html
* exterior.html
* flooring.html
* index.html
* interior.html
* kitchen.html
* portfolio.html
* siding\_roof.html
* staircase\_railing.html
* test.html
* window\_door.html

## MAINTENANCE PLAN:

|  |  |  |
| --- | --- | --- |
| **Schedule for Updating Site:** | Monthly new information related to Halo 3 should be updated to ensure that visitors to the site are seeing the current/relevant information for the IT program  at ATC. | 1. Every Monday before 11:59 PM the index page will be updated to reflect any new tips that may come up. 2. Every page related to the Halo 3 Campaign Walkthrough must be updated to reflect the changes. |
| **Approval Process for adding new pages and/or graphics:** | 1. All requests for the addition of new pages or change requests for existing pages must be made using the approved addition/change request form. Forms must be submitted to the Webmaster via email. 2. Graphics(s) requests must be made using the approved New/Change graphic form. Forms must be submitted to the Webmaster via email. | 1. Every Tuesday the Webmaster will review all submitted change request forms and notify the person/department requesting the changes of the decision within the week of the review. 2. All new pages must use once of the existing templates used in the Site. 3. Graphics must comply with the Graphics standards identified in the Site Standards document. |
| **Test schedule for site functionality for links, graphics and form:** | Every page must be tested to ensure that all links, graphics and forms are working and/or displaying correctly. | Google Analytics will be used for testing the functionality of the sites links, graphics and forms.   1. Analytics reports will be run every Wednesday morning at 8:00 AM. 2. All issues/errors will be addressed and corrected by the end of the day on Wednesday. |

## EXTERNAL CSS:

@charset "utf-8";

/\*

Style Sheet

Author: Tyler Delger

Date: 02/28/2023

Filename: h3\_styles.css

\*/

/\* HTML and Body Styles \*/

html {

background: url(cover.jfif) center center / cover no-repeat fixed;

height: 100%;

font-family: Verdana, Geneva, sans-serif;

font-size: 12px;

}

body {

background: rgb(134, 176, 232);

box-shadow: rgb(51, 51, 51) 5px 0px 15px,

rgb(51, 51, 51) -5px 0px 15px;

margin: 0px auto;

min-height: 100%;

min-width: 320px;

max-width: 1024px;

width: 100%;

}

/\* Body Header Styles \*/

body header img {

display: block;

width: 100%;

height: 350px;

}

/\* Horizonal Navigation Styles \*/

nav.horizontal {

background-color: rgb(135,206,250);

min-height: 2em;

}

nav.horizontal li {

color: rgb(31, 73, 125);

display: block;

line-height: 2em;

text-transform: uppercase;

}

nav.horizontal a {

display: block;

font-size: 1em;

}

nav.horizontal a:visited, nav.horizontal a:link {

color: rgb(31, 73, 125);

}

nav.horizontal a:hover, nav.horizontal a:active {

background-color: rgb(31, 73, 125);

color: white;

}

/\* Main Menu Styles \*/

ul.mainmenu {

display: block;

}

ul.mainmenu > li {

text-indent: 15px;

}

ul.mainmenu > li:first-of-type a {

color: white;

background-color: rgb(31, 73, 125);

}

/\* Submenu Styles \*/

ul.submenu {

width: 100%;

background-color: rgb(181, 204, 136);

}

/\* Section Styles \*/

section {

background-color: rgb(211,211,211);

clear: both;

}

section::after {

content: "";

display: table;

clear: both;

}

#chief {

display: block;

margin-left: auto;

margin-right: auto;

margin-top: 30px;

width: 65%;

box-shadow: rgb(51, 51, 51) 10px 10px 10px;

}

#levels {

font-size: 25px;

text-align: center;

color: rgb(50,205,50);

padding-bottom: 15px;

padding-top: 50px;

}

#top {

text-align: center;

font-size: 14px;

margin-bottom: 10px;

}

/\* Article Styles \*/

article {

padding: 50px 10px 50px 10px;

margin-top: 20px;

margin-right: 5%;

width: 100%;

}

article h1 {

font-size: 25px;

text-align: center;

color: rgb(50,120,250);

padding-bottom: 15px;

padding-top: 50px;

}

article p {

line-height: 1.5em;

padding: 10px;

font-size: 16px;

}

#pictures {

display: block;

margin-left: auto;

margin-right: auto;

margin-top: 20px;

margin-bottom: 30px;

width: 50%;

box-shadow: rgb(51, 51, 51) 10px 10px 10px;

}

/\* List Styles \*/

#jackles {

line-height: 1.8em;

padding: 10px;

font-size: 16px;

margin-left: 20px;

}

#scarab {

line-height: 1.8em;

padding: 10px;

font-size: 16px;

margin-left: 20px;

}

#marines {

line-height: 1.8em;

padding: 10px;

font-size: 16px;

margin-left: 20px;

}

dd {

padding: 10px;

margin-left: 10px;

}

/\* Form Styles \*/

form#survey {

display: flex;

flex-flow: row wrap;

margin-bottom: 20px;

}

form#survey > fieldset {

background-color: rgb(135,206,250);

border-radius: 20px;

flex: 1 1 300px;

font-size: 1.2em;

padding: 10px;

margin: 10px;

}

div#buttons {

text-align: center;

width: 100%;

}

input[type='submit'], input[type='reset'] {

font-size: 1.2em;

padding: 5px;

margin: 15px;

}

/\* Footer Styles \*/

body > footer {

background-color: rgb(135,206,250);

font-size: 12px;

text-align: center;

padding: 20px;

}

/\* Pulldown Menu Styles \*/

ul.submenu {

display: none;

}

a.submenuTitle:hover+ul.submenu, ul.submenu:hover {

display: block;

}

/\* Mobile Styles: 0px to 480px \*/

@media only screen and (max-width: 480px) {

nav.horizontal a {

font-size: 1.5em;

line-height: 2.2em;

}

h1 {

line-height: 1.3em;

}

}

/\* Tablet Styles: 481px and greater \*/

@media only screen and (min-width: 481px) {

ul.mainmenu > li {

float: left;

position: relative;

width: 20%;

}

ul.submenu {

box-shadow: rgb(51, 51, 51) 5px 5px 15px;

position: absolute;

width: 200%;

}

}

/\*Desktop Styles: 769px and greater\*/

@media only screen and (min-width: 769px) {

ul.submenu {

background: transparent;

box-shadow: none;

display: block;

position: relative;

width: 100%;

}

nav.horizontal::after {

clear: both;

content: "";

display: table;

}

nav.horizontal a.submenuTitle {

display: none;

}

}