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Integrated capstone project  Spring 2025

Andrew Heidelberger Construction

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# 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, and 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.

**Domain Name:** ahconstruction-mn.com

# 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.

# HIERARCHY CHART STORYBOARD:

# 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

## TEST PLAN:

* **Browsers:** The most recent versions of:

1. Chrome
2. Microsoft Edge

* **Operating System:**

1. Windows 10-11

* **Validation:**

1. All pages will be validated as they are completed and when any changes are made.
2. Every page must be validated for html and any embedded CSS rules using the HTML Validator and the CSS validator provided by the W3C.
3. All external CSS pages must be validated using the CS3 validator provided by the W3C.
4. Upon completion of the entire site must be validated for the HTML and CSS before publishing.

## Website Local Files

When the website is run locally, all the content and images are empty. This is because the code is set up in such a way that the CMS can fill in the empty strings with content and images. All the content and images have empty strings, so Andrew can fill them with any text or images he wants.

## MAINTENANCE PLAN:

|  |  |  |
| --- | --- | --- |
| **Updating Site:** | Frequently new information related to Andrew Heidelberger Construction’s website should be updated to ensure that visitors to the site are seeing the current/relevant information. | 1. New information will be provided to the website whenever Andrew Heidelberger wants to update it. 2. Every page related to the Andrew Heidelberger Construction website must be updated to reflect the changes. |
| **Approval Process for adding new pages and/or graphics:** | Andrew Heidleberger will be in full control over making additional changes to the website. | 1. Graphics must comply with the Graphics standards identified in the Site Standards document. |
| **Test 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. | HTML Validator and CSS Validator will be used for testing the functionality of the sites links, graphics and forms.   1. All issues/errors will be addressed. |