# Andrew Heidelberg Construction Capstone Agile Project Plan

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## Goal

**What is the goal?**

The goal is to develop a modern, mobile-responsive website for Andrew Heidelberg Construction.

**What problem does this project solve?**

Currently the company’s online presence is minimal at best. At the end of development, the website will be able to connect user’s to the company and be able to showcase the company’s services and portfolio to its visitor’s.

**What is the vision?**

* Showcase past construction projects
* Prodvide an easy-to-navigate interface for potential clients.
* Implement a contact form for inquiries.

## 

## User Stories

The following are the three key user personas that will use the application.

### <user name1 >

|  |  |
| --- | --- |
| User Type | New/Potential Client |
| Name | John Doe |
| Occupation |  |
| Gender | Male |
| Age | 20-30 |
| Education | High School |
| Location | Home, Work, Home Improvement store |
| Objective | * View services to see if their needs are offered * Finding evidence that shows quality of work |

<user name2>

|  |  |
| --- | --- |
| User Type | Returning Customer |
| Name | Joe Buck |
| Occupation |  |
| Gender | Male |
| Age | 20-50 |
| Education | High school, some college |
| Location | Home, work, home improvement store |
| Objective | * Find updates for ongoing project * Find additional information on warranty/services based on previous transactions |

<user name3>

|  |  |
| --- | --- |
| User Type | Supplier |
| Name | Jane Fawn |
| Occupation | Sales representative, Manager |
| Gender | Female |
| Age | 20-50 |
| Education | College |
| Location | Office |
| Objective | * Be able to find evidence if this is a company they can have a working relationship with * Find evidence of business foundation (license, certifications etc.) |

## 

## Non-Functional Requirements

Here are some non-functional requirements for ***Andrew Heidelberg Construction Webisite***

* 1. **Performance**
     1. Be able to be viewed from major browsers and devices
     2. Can showcase work through images and video
     3. A contact form that gives users a way to make contact with the company
  2. **Capacity and scalability**
     1. At launch website should be able to handle at minimum 100 concurrent users
     2. Website should be able to handle inclusion of new pages that will more than likely be add-ons to projects/portfolio section
  3. **Availability**
     1. Uptime on website should be 24/7.
  4. **Recovery**
     1. In case of loss data or desire to revert to previous state, backups should be done both automatically and manually at 2 separate locations.
  5. **Security**
     1. SSL
     2. HTTPS
     3. Require complex password and frequent changes for administrators
     4. Backups of website should be done on a weekly basis or whenever changes are made
     5. Proper training and documentation for any new administrators
  6. **Documentation**
     1. Project Scope
     2. Technical documentation
     3. Templates
     4. Training documentation
     5. Sitemap
     6. User stories

## Risks

* Cyberattacks
* Data breaches
* Security vulnerabilities
* Website Complexity
* Unexpected Scalability and capacity capabilities during lifetime of website
* Poorly written code and prolonged absence of main
* Lack of proper SEO

## Future Iterations

# Approval and Authority to Proceed

We approve the project as described above and authorize the team to proceed.

|  |  |  |
| --- | --- | --- |
| Name | Title | Date |
|  |  |  |
|  |  |  |
|  |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Approved By |  |  | Date |  | Approved By |  |  | Date |

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