CS 142 Advanced Web Design: CSS and Usability Spring 2014

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Penguin Home Improvement

Version <2.0>

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| Time Log | | | |
| Estimated time to complete assignment => | | | 40Hours |
| Date | Time Spent  (in hours) | Description | Author |
| 05/01/2014 | 2 | Editing the Document Spec | Matt Wolf |
| 05/02/2014 | 2 | Added the Web Usability Place holders and Storyboard placeholders, as well as added specific requirements | Matt Wolf |
|  |  |  |  |
| 05/03 | 8 | Making pages, making logos | Ian Benson |
| 05/03 | 5 | Making pages, tuning nav | Matt Wolf |
|  |  |  |  |
| 5/04 | 10 | Making pages, web usability test | Ian Benson |
| 5/4 | 9 | Making pages, implementing changes | Matt Wolf |
|  |  |  |  |
| 5/5/ | 4 | 2nd round of testing | Ian Benson |
| 5/5 | 3 | Placing images | Matt Wolf |
|  |  |  |  |
| 5/6 | 2 | Final clean up | Ian Benson |
| 5/6 | 2 | Final clean up | Ian Benson |
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|  |  | <=Total Time Spent | 43 |
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# Software Requirements Specifications

## Introduction

### Purpose

The purpose of this document is to describe the requirement specification for the web site “Penguin Home Improvement”.

The intended audience for this document is the prospective developers of this site. The goal being that you can give this document to someone and they can make the site without having to ask any questions.

The web site to be created is a place for the owners of Penguin Home Improvement to show off their work and gain new clients. It will be a place for people to contact them and to get information if they wish to contract them.

### Definitions, acronyms, and abbreviations

HTML – Hypertext markup language – used to define your conent.

PHP – Personal Home Page – language that helps to customize html.

CSS – Cascading Style Sheets – used to define the look of a web site.

JavaScript - used to customize what a page does from the clients(web browser) point of view

W3 Validation – refers to both Html and CSS validation tool provided by the W3c.org. the html validator is located at:

<http://validator.w3.org/>

with the CSS validator located at:

<http://jigsaw.w3.org/css-validator/>

## Overall Description

We chose to create an original website for a small, part-time carpentry business founded by two recent uvm graduates. They have a pre-existing site created through a paint-by-numbers design software template implemented by a business called vix. The most immediate drawback of this site was it’s longwinded url with the host’s name included. The site appeared to be well designed and had spaces for many pictures, but upon closer inspection, we found users were often confused.

Our final project is a site for this small business, Penguin Home Improvement LTD. They offer many home repair, and home improvement services. The two principals, Liam and Zach, are skilled carpenters and will use this to promote their business to the public in the Burlington VT region. We made sure to include their location and a list of surrounding areas that they are able to reach.

We intend to present this business to the public. The main page includes a brief introduction as to what the business does and what services they offer. Samples of their work (in the form of images and testimonials) are provided with a services section. A user can get an estimate by filling out a form or calling a clearly displayed phone number. A menu item labeled “About Us”, leads to photos and a brief bio.

This site is designed to give a potential customer a lot of information and make it very easy for them to get more information and even information specifically tailored to their request.

## Story Board

### H :storyBoard.JPG

## Web Usability Testing

This part of the document will include all of the usability documents as well as links to the usability tests themselves.

### The Test Script

How do you contact them?

What do they do?

Do they have any testimonials?

How much do estimates cost? How do you get an estimate?

What do you think of their work?

What type of flooring do they have?

Do they build sheds?

Where are they located?

Do they have a facebook?

### Question

### <https://www.uvm.edu/~mhwolf/cs142/assignment7/landingSite/documentSpec/>

### Videos

<https://www.uvm.edu/~mhwolf/cs142/assignment7/landingSite/webUsabilityVideos/>

## Assignment requirements

1. *Location* – all files will be located in the public folder of your uvm account. The assignment web page and the submit process will detail the exact location. Failure to have your site located in the correct folder by the due dates will result in a zero on the assignment. Be sure to pay attention to the lowercase letters.
2. *Html Validation* – All pages will pass W3C Html validation for html 5.
3. *CSS Validation* – All pages will pass W3C CSS 3.0 validation.
4. *Meta Information* – All pages will contain a proper title tag, Meta tags (author, character set and description).
5. *CSS* – all pages will have a linked style sheet. Start off with my sample from the lectures.
6. *Navigation* – All pages will contain navigation to all other pages on the site using an ordered list. Be sure to enclose the navigation in the correct element.
7. *Content* – There will be a minimum of 5 pages each relevant to the web site.
8. *Browser compatibility* - This site will be checked on Firefox, Safari, Chrome and Internet Explorer.
9. *Responsive* - This site will be checked on: <http://quirktools.com/screenfly/>
10. A tool bar icon is required to be displayed on the browser tab
11. One page description similar to the one above that should be a sort of grading guide.
12. A minimum of 4 web usability tests will be conducted and documentation as well as the videos will be posted.

## Specific requirements

1. A home page that explains what the company does and gives a couple of important examples.
2. A services page that goes into depth of what exactly they do, what kinds of projects, and so forth.
3. A contact us page to allow for questions to be send via email and show where they are located
4. A “Get a Quote” page that will allow the user to give a description of their project and for that description as well as other information to be emailed to Penguin Home Improvement.
5. An about us page, where all the info about the company is located, such as their story, aka how they started and exactly what they do, more in-depth then the home page.
6. Finally a testimonials page that allows the company to post testimonials of their customers as a way to generate trust from potential buyers
7. A menu for navigation as described in the story board.