
CS 142 Advanced Web Design: CSS and Usability Spring 2014

Aidan Goldman, Christine Bolognino, Lily Brown

LoVermont Hiking Project

Version <1.0>

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Software Requirements Specifications	Date : 4/26/1025

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Time Log			
Estimated time to complete assignment =>			__22__ Hours
Date	Time Spent (in hours)	Description	Author
4/22	1	Group Introduction, Brainstorm ideas	Group
4/27	1	Decided Idea, Discussed Project Specs, began outline	Group
2/27	1	Storyboard and Project Specs	CEB
4/27	2	Setup framework and files	CEB
4/27	1	Media Queries	ALG
4/28	2	Homepage	CEB
4/30	1	Research and Insert Content	Group
4/30	.5	Create usability testing scripts, gather tasks	LB
4/30	.5	Perform tests	Group
4/30	1	Gather results, create recommendations page	LB
5/1	4	Site Navigation	ALG
5/1	2	Insert and position images, maps, subnav images	ALG
5/1	2	Make changes to site according to testing	ALG and CEB
5/2	.5	Perform tests Round Two	Group
5/2	.5	Add new round of videos to recommendations page	LB
5/3	2	Final touches	Group
	22	<=Total Time Spent	

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Software Requirements Specifications

Introduction

Purpose

The purpose of this document is to describe the requirement specification for the web site "LoVermont Hiking Project".

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 meant to be a beginner's guide for UVM students who want an introduction into hiking in the local area.

Definitions, acronyms, and abbreviations

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

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

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

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

LoVermont Hiking Project's goal is to provide a basic introduction to Vermont hiking trails that can be found nearby to the Burlington area. The site's content is designed for UVM students, but can be utilized by anyone interested in the material. It is geared towards students in that the trails included are student favorites and also are located in relatively close proximity to UVM's campus. There are also links to a Resources page and the UVM Outing Club page which are important features for students who might be interested in expanding their hiking knowledge beyond what the site can offer.

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Assignment requirements

1. *Location* – all files will be located in the public folders of all group member's public accounts, accessible via their site maps.
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. *CSS* – all pages will have a linked style sheet.
5. *Navigation* – All pages will contain navigation to all other pages on the site.
6. *Content* – Pages containing information on which list is which, or specific hikes will have descriptions of what they are. If the page is for a hike, it will feature a site map.
7. *Browser compatibility* - This site will be checked on Firefox, Safari, Chrome and Internet Explorer.
8. *Responsive* - This site will be checked on: <http://quirktools.com/screenfly/>

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Specific requirements

1. *Background Image:* Use the tree image featured on the home page for all site pages.
2. *Navigation:* Feature a drop down menu as the main navigation on each page, so that one can see the options for the other pages in an organized, hierarchical manner.
3. *Trail Content:* Includes the Location of each trail.
4. *Trail Content:* Includes the Elevation Gained on each trail.
5. *Trail Content:* Includes the Difficulty Rating of each trail.
6. *Trail Content:* Includes the Distance Covered of each trail.
7. *Resources Page:* Has a Resources page which includes links for users who are interested in the subject of Vermont Hiking beyond what the site can offer.
8. *UVM Outing Club:* A link to the UVM Outing Club should be included.
9. *Links to Outside Sources:* All links to outside site should open in a new window so that the user stays on our site.
10. *Footer:* Include a footer at the foot of each page featuring links to all other main pages, such as the beginning of each list pages, the resources, UVM Outing Club page, and an overall site map
11. *Site Map:* Feature a Site Map where the user can see all site navigation laid out on one page in simple link form.
12. *Trail Maps:* Have relevant trail maps under the title of each trail on the page for the trail itself.
13. *Home Page:* Includes tips for students/prospective hikers in general on the main page: what to bring, how to prepare, etc.
14. *Main Content:* Makes sure to include only information that the user needs, and minimal to no “fluffer” content.

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CSS Description

We chose for the LoVermont Hiking Project site an appropriately woodsy scheme to go along with the topic. We wanted a look that was widespread and drew a lot of attention to the prominent background, since lots of sites that do so look very professional and unique at the same time (the high quality background photo idea reminded us of Bing search engine, which has a very clean and interesting look). That being said, we followed a host of typical web conventions as well, for instance our navigation bar that follows and stays consistent on each page is located across the top of the page under the banner and tagline. By combining these, the conventional and the nonconventional, we created a look that was both familiar and easy to for users to navigate and understand but still fresh enough to keep it fun and interesting for audiences.

In keeping with our natural and simplistic mindset, text colors are limited to black and green—colors that can be found in the forest, among the trees. This was intentionally done to keep the goodwill of the users as they browse the site: one can imagine that an onslaught of hot pink text or borders amid all the talk of trees and woods could surprise and lessen the trust and goodwill of the user. The translucent backdrop to the main content sections too was designed to soothe the user with light grey, unobtrusive tones. The black back shadow on these content sections creates a multilayered and textured look; it makes the site more interesting to look at in very subtle ways.

The site provides a variety of navigation possibilities for the user. There is the main navigation, a horizontal menu which drops down vertically and allows the user to access any of the hiking trails mentioned under the different categories. There is the footer, located where footers usually are and which features links to those different hike category pages, as well as links to the Resources page, an outside-site link to the UVM Outing Club's site, and a site map. The site map is yet another way that one could navigate through the site, since all the links are listed outright. We designed the site with these several options for browsing through so that the user was never confused as to how to move about and get to the information they were searching for.