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UVM Bikes

Version <1.0>

Project Title: UVM Bikes	Version <1.0>
Software Requirements Specifications	Date : 05-06-16

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Time Log			
Estimated time to complete assignment =>			<u> 50 </u> Hours
Date	Time Spent (in hours)	Description	Author
3/20/16	1	Planning, images, csv setup	Noah Patulllo
3/23/16	4	Php included, nav, titles, css menu	Noah Patulllo
3/24/16	1.5	Active page php magic (multiple arrays) + nav	Noah Patulllo
3/28/16	6	Columns, screen transitions, today hours	Noah Patulllo
3/30/16	4	Google calendar, hours, footer nav, table css	Noah Patulllo
4/1/16	3	Classes events content, csv printing	Noah Patulllo
4/4/16	.5	Page title bottom border & css cleanup	Noah Patulllo
4/5/16	5	Facebook embed, about page	Noah Patulllo
4/6/16	2.5	about page content, css fixes (site functional)	Noah Patulllo
4/9/16	2	colors	Noah Patulllo
4/10/16	1	Usability testing/minor galleria hacks	Noah Patulllo
4/13/16	2.5	Usability & fixes	Noah Patulllo
4/16/16	2	Usability testing & fixes	Noah Patulllo
4/24/15	1	Spec doc, grader info, usability page	Noah Patulllo
	34	<=Total Time Spent	

Software Requirements Specifications

Introduction

Purpose

The purpose of this document is to describe the requirement specification for the web site UVM Bikes, a student-run bike shop providing repair services to UVM students. They run a fully-functional bike shop as well as maintain the Bike Sharing program and teach classes to give students the skills to fix their own bike.

The main purpose is to make the location and hours prominent so that people know when to come. The site will also provide detailed information on prices, some history of the club and what they actually do.

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

UVM Bikes is a student club providing bike repairs and promoting bicycle use at University of Vermont. Students are encouraged to stop by to get your bike fixed. It's basically the best place to get your bike fixed. It doesn't charge for labor and has prices that will beat any other shop in burlington. Plus it's right on campus

The club currently supplies most of the information via a facebook and doesn't have an updated website. This site is intended to show people that they exist and what they can expect.

Story Board

Homepage

Home Prices/Services Hours Classes/Events Contact About	
Hours	Address
Slideshow here	
Home - UVM Bikes	
Left Column	Right Column
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
<Footer>	
Contact info	Repeated nav list

Hours

Home Prices/Services Hours Classes/Events Contact About	
Hours	Address
Slideshow here	
Hours	
Sunday Monday Tuesday Wednesday Thursday Friday Saturday	
Embedded Google Calendar	
<Footer>	
Contact info	Repeated nav list

Most pages will have this 2-column layout with similar nav, header & footer. I've done separate versions for "Prices / Services" & "Hours" because they deviate the most from the "standard page"

Prices / Services

Home Prices/Services Hours Classes/Events Contact About	
Hours	Address
Slideshow here	
Prices / Services	
Left Column	Right Column
_____	_____
_____	_____
_____	_____
Type of Part	Price
Tires	\$10
Chain	\$15
Seat	\$20
Tube	\$3
Lights	\$5
<Footer>	
Contact info	Repeated nav list

Homepage

- Some featured content on the left to tease more
- Location & map on the right column

Prices

- More explanation that labor is free
- List some common repairs
- Rentals & Bike share info on the right
- A large detailed list of prices laid out in a table

Hours

- 1 table for days of the week (pulling data from a csv file)
- Info on how to become a volunteer
- An embedded google calendar listing the exact volunteers and when they're working

Classes

- Some general info about classes on the left
- Specific upcoming classes on the right (data from csv file, easily updatable)
- List previous workshops below

Contact

- Email address for the appropriate people
- Another map

About

- Briefly explain who is part of the club and what they do
- More detailed history on the right column if people want to read

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* – Each page will have a minimum of 150 words not counting titles, lists or links. Be sure to use the correct elements to hold your content.
8. *Browser compatibility* - This site will be checked on Firefox, Safari, Chrome and Internet Explorer.

Responsive - This site will be checked on: <http://quirktools.com/screenfly/>

Specific requirements

1. Most pages will have a 2-column layout for the main content which collapses to 1 column on small screens
2. A hidden “Skip to main content” link is provided for accessibility. It’s the first link in the body & gets highest priority when tabbing. Hidden for sighted user, but if you press tab, the bottom left corner shows the link target.
3. The site is mostly 2-columns, but resizes and fill the entire window on mobile screens
4. Navigation is responsive & collapses on a small screen
5. The current link is highlighted so the user knows what page they’re on. Also the name of the page is centered, underlined and matches link text
6. Pages are all called index.php but are stored in folders that match the page name. So the “Prices / Services” page is located “prices-services/index.php”. I use php to look at the page’s parent folder, remove hyphens and capitalize the 1st letter of each word. This is used in the html <title> as well as the <h1> on each page.
7. I have just 1 copy of nav which works even on subfolders. I do some PHP magic to analyze the length of the current URL & print the correct number of ../ to link anywhere. This is also used for css and images allowing me to “start as the root directory” any time I decide to link somewhere.
8. Color theme is mostly green or variations on green.
9. Headings are serif & rest of page is sans-serif. I went for black text to have contrast with green.
10. A slideshow is present on all pages & autoplays
11. The hours for the current day are displayed on all pages below the nav as well as the address.
(Current hours pull data from a csv file & changes daily)
12. The prices page has a table with prices of various parts, all of which are pulled from a csv file
13. The footer has a repeated nav just in case
14. The footer also embeds a facebook share button