**Final Project Documentation**

**Name:** Nick Lemerond

**Project (Website Topic):** Online, organized user build list for vehicles

**URL to access your site:** <http://webdev.cs.uwosh.edu/students/lemern75/project/home.html>

**Project Description:**

Describe your project and summarize everything a user can do if they come to your site.

BuildYourCar.com is a website that primarily organizes a build list for car enthusiasts who modify their vehicles. A user can log in and few their saved build lists with unique features to enhance the lists organization. The user can register an account, log in, and start their build list by creating a build name and uploading a picture for the build. The user can edit their build list and add/change any parts they have planned for their vehicle. The user can also view the “useful links” page and visit forums or view any sales for parts that are listed. An admin user can edit the “useful links” page and change the links for the current sales going on.

**Site Map:**

Include the link for all pages on your site, and indicate which languages/technologies you used on each page of your site (add rows if needed!):

|  |  |
| --- | --- |
| **Page (URL)** | **Languages / Technology used** on page (HTML, CSS, PHP, JavaScript, SQL (DB), etc.) |
| http://webdev.cs.uwosh.edu/students/lemern75/project/home.html | HTML, CSS |
| http://webdev.cs.uwosh.edu/students/lemern75/project/login.php | HTML, CSS, PHP |
| http://webdev.cs.uwosh.edu/students/lemern75/project/register.php | HTML, CSS, PHP |
| http://webdev.cs.uwosh.edu/students/lemern75/project/profile.php | HTML, CSS, PHP |
| http://webdev.cs.uwosh.edu/students/lemern75/project/build.php | HTML, CSS, PHP, JavaScript |
| http://webdev.cs.uwosh.edu/students/lemern75/project/links.php | HTML, CSS, PHP |
| http://webdev.cs.uwosh.edu/students/lemern75/project/community.html | HTML, CSS |
| http://webdev.cs.uwosh.edu/students/lemern75/project/update.php? | HTML, CSS, PHP |

**Specific Instructions / Notices:**

Provide any necessary instructions/notices users may need for any particular pages/features in your site. Explain how to use any pages/features that aren’t straightforward. Are there specific inputs that need to be used for a page/feature to work? Do any pages/features not work? Feel free to format this information in a table or include screenshots if helpful.

Features that aren’t straight forward

* All changes to parts in the build page happen by filling in all inputs in the add/update part field set
* After registering, you need to log in too

Specific inputs

* (Admin Only) Edit useful links/update page needs to be in a programming language when editing

\*Pages/features that are just for show(did not plan to work on/for future development)

* Community page
* Forget password feature

Page/features that don’t work

* Add image to build feature
* Part deletion feature

**Authentication** (add rows as needed)**:**

|  |  |
| --- | --- |
| **Pages that require authorization (URL)** | **Credentials** to use to test (username, password, any other required info) **and associated role** for the credentials |
| http://webdev.cs.uwosh.edu/students/lemern75/project/update.php? | U: admin  P: spike342 |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

**Project Requirements**

For each requirement, if prompted, describe how and/or where your project meets the requirement. Provide a ranking for how well you believe your project meets the project requirement using the following scale:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **0** | **1** | **2** | **3** | **4** |
| **Not Satisfied**  No progress toward meeting the requirement | (barely started) | **Insufficiently Satisfied**  Progress toward meeting the requirement but incomplete or not fully-functioning correctly | (close to being satisfied) | **Completely Satisfied**  Requirement is met and is fully-functioning correctly |

**#2 Page layouts, colors, text styles and your overall presentation should be appealing. The “look and feel” of the website should be consistent.**

**Project Requirement Satisfaction Ranking (select one): 0 1 2 3 4**

**#3 Your website must look good across browsers and on mobile devices.**

**How/where you met (browsers checked, mobile responsiveness?):**

* All pages shrink horizontally using flex, showing all content and stop before page gets too skinny
* Navigation bar sticks to top of screen on scroll

**Project Requirement Satisfaction Ranking (select one): 0 1 2 3 4**

**#5 You must have an appropriate navigation structure. It should be easy to get around your website.**

**Project Requirement Satisfaction Ranking (select one): 0 1 2 3 4**

**#6 Your website must have several images.**

**How/where you met:**

* Website web browser tab icon
* Header title background image
* Profile tab icon
* Website background image

**Project Requirement Satisfaction Ranking (select one): 0 1 2 3 4**

**#7 Your site must validate with HTML5 and CSS3. All pages must have a verifier link on them to ensure the pages are correct.**

**How/where you *didn’t* meet (any pages that *don’t* validate?):**

When making last minute changes, I made some duplicate ID’s within the pages when labeling ID’s between labels and input types. Otherwise, all verifier links are on all pages.

**Project Requirement Satisfaction Ranking (select one): 0 1 2 3 4**

**#8 Your website must have a (relevant) functional form (i.e., when the user fills it out it does something).**

**How/where you met:**

On build page, there is multiple inputs where a use can submit input and then will output that information to the user on the page from the database. When adding a part to the build, you can add and edit your parts with forms posts.

Forms are also used in register, login, and useful links edit/update pages.

**Project Requirement Satisfaction Ranking (select one): 0 1 2 3 4**

**#9 Your website must allow for the uploading of some type of file.**

**How/where you met:**

On build page, a user is supposed to be able to add a personal picture to their build list page. I kept running into an error on my computer that other users had as well, about not having the right permissions with database. I emailed you about it and would still like to know if you ever found a solution to the problem.

**Project Requirement Satisfaction Ranking (select one): 0 1 2 3 4**

**#10 You must connect with a database and perform data insertion, deletion, update, and query operations that are used to generate and maintain data relevant to your site. You must do something beyond simple user authentication.**

**How/where you met:**

As stated in #8, you can find data manipulation in the build page and links update page. Unfortunately, the way I designed the part output made it too difficult to add deletion to form and I ran out of time. The majority of database manipulation is called through the query.php file.

**Project Requirement Satisfaction Ranking (select one): 0 1 2 3 4**

**#11a Something interesting using JavaScript**

**How/where you met:**

On the build page, a live update of the additional price being made to build total is shown when a user inputs(oninput) a number to the price input box. The live price update is formatted with commas and a dollar sign.

**Project Requirement Satisfaction Ranking (select one): 0 1 2 3 4**

**#11b Something interesting using PHP**

**How/where you met:**

The views.php page takes in input of a php function from queries.php, an array of all parts returned by category and by user ID and formats the array of database information into a table. That table is then printed to the user in each build category when called in build.php. queries.php handles all database manipulation and is modular because of that.

**Project Requirement Satisfaction Ranking (select one): 0 1 2 3 4**

**#11c Something interesting using Ajax**

**How/where you met:**

Ajax was not used in the project. Not a requirement.

**Project ~~Requirement~~ Satisfaction Ranking (select one): 0 1 2 3 4**

**#12 There must be some relevant login and logout process. (Relevant=makes sense one would log in for that page/function)**

**How/where you met:**

In the register, login, and profile page, a user is able to make an account, log in, and logout with ease. Build page requires user to be logged in to be able to access and lets the user know that be redirecting them to the log in page.

**Project Requirement Satisfaction Ranking (select one): 0 1 2 3 4**

**#13 Your site must have at least 2 user roles, each with different privileges/access.**

**How/where you met (explain what the 2 roles are and the differences between them in what they are able to do in the site):**

A regular user is able to create an account, log in, edit build list, and log out. They are also able to view the home, useful links, and community pages.

An admin user can do all of the same things except they are also able to edit the useful links page when logged in. An edit button is hidden for regular users and can be used by admin users. The useful links edit/update page uses “ensure\_admin($id);” to make sure only an admin user can access the page from anywhere.

**Project Requirement Satisfaction Ranking (select one): 0 1 2 3 4**

**Overall self-evaluation: How “good” is your project? What grade does it deserve and why?**

I would classify my project as good, not great, but good. It satisfies the majority of requirements but does miss some requirements and the site could look better aesthetically. Otherwise, the site can be used consistently, without running into bugs, and can be fun to use to potential users.

I would give myself an A for the amount of time I spent on this project. I would *really* give myself a B- on this project because of the reasons above. To restate, some feature requirements were missed but the main purpose of the site works, the site is presentable, and users will rarely run into any errors.

**Any final information/comments you’d like to provide:**

To restate from **Specific Instructions / Notices**, the community page is not supposed to be functional. It is a placeholder for future implementation. The “Forgot Password” feature is also a placeholder for future implementation.

I enjoyed this project and plan to finalize the site in the near future to be able to use on my resume, and possibly present to organizations that could use my code as there is no site that I could find that has the same purpose that my project has.

Thank you for the class,

Nick Lemerond

Senior CS Major