**Grace Bailey and Alex Buchanan, CS 347 Web Development 5:00pm-6:15pm, Dr. Kristen Richards**

1. **You will create a website with a focused theme and audience of your choosing. Your site might serve a student group, a relative who’s planning a wedding, a business, or an artist who needs a portfolio. *The site must serve someone besides yourself.* A large part of web design is thinking empathetically, and this requirement makes that explicit.**

The theme of my website is “Adulting for Dummies” and its intent is to provide advice for young adults. It could be expanded to include a large variety of topics. The topics I chose to cover relate to hobbies that are good for wellbeing and time management.

1. **Your content must be original and not lifted from other websites. Third-party images are acceptable provided you adhere to their license. You must also cite their use.**

The photos I used are cited in the alt text within each html file. All of them are used from [www.unsplash.com](http://www.unsplash.com). Otherwise, all words are my own in the paragraphs of the pages.

1. **Your site must contain at least five separate pages, each having a meaningful purpose. One of the files should be named index.html**

The pages I have are “index.html”, “exercise.html”, “contact.html”, “mealplan.html”, “cleaning.html”, “reading.html”, “taxCalc.html” and “yoga.html”. I also included external CSS files titled “style.css” and “calc.css”. There are also the following JavaScript files: “taxCalc.js”, “signInOut.js”, and “calc.js”.

1. **Your site must include some sort of header.**

Each page has its own individual header specified for the page.

1. **Your site must include some sort of navigation links.**

The index.html page has links to separate links, which are clearly labeled to help the user navigate the website.

1. **Your site must support distinct layouts for large and small screens using media queries. Use comments to note where you completed this activity. You may do this in a variety of ways. Consider using this to control images.**

When testing the size of the browser for the site, the text and images adjust well. I used the css file to help manage images on the site.

1. **Your site must maintain a coherent style across its pages. Repeated style rules must be placed in a shared external stylesheet. Style rules not shared between pages must be placed in separate external stylesheets.**

The style of the site is contained within the “style.css” file to help promote consistent style throughout.

1. **Your site must include images, and their alt attributes must adequately describe the image content to users of screen readers, user with images disabled, and webcrawlers.**

There are 8 photos included in the website as a whole. The alt text includes where the photo was obtained, acting as a citation, and what the photo depicts.

1. **Your site’s non-HTML resources must be organized. Images must be placed in a directory named images. CSS files must be placed in a directory named css. If you include any JavaScript code, these files must be placed in a directory named js (this is not required).**

All the images that I utilized are referenced using links to the external source. I located my style.css file in a CSS directory folder.

1. **Your site must not be built using any libraries or frameworks. Do not use Bootstrap, jQuery, React, Angular, Vue, or any other third-party tools. You may, however, reimplement the ideas you see in these third-party tools.**

I did not use third-party tools.

1. **Each page and stylesheet of your site must validate without any warnings or errors using the W3C’s**[**Nu Validator (Links to an external site.)**](https://validator.w3.org/nu/)**.**

Every HTML page validates without any warnings or errors.

1. **The content should be neatly aligned. The axes of alignment should be clearly visible. Favor left- and right-alignment over centering—as centering does not produce a strong axis of alignment.**

I only center align the head / title of the page. I align everything else to the left.

1. **The content should have adequate and consistent spacing. Text should never bleed against the edge of its containing box.**

I believe I achieved this.

1. **Your site must use at least two different font faces. Headings are often rendered in a sans-serif font, and paragraph copy in a serif font.**

I used Arial and Helvetica for my two fonts.

1. **Your site must include at least one form. The form need not do anything at this point in your learning, but it must be present. Like all content, it must be neatly aligned.**

I included a form on the contact.html page where the user enters their first name, last name, email address, and subject.

1. **Your site must include links to external sites.**

There are seven links to external sites in the project.

1. **Your source code must be readable, using conventional and consistent formatting and meaningful names for classes and IDs. Use kebab-case case identifiers or camelCase.**

I believe I used conventional and consistent formatting throughout the project.

1. **Your file containing all your HTML, CSS, Images, etc . . .should be placed in a Zipped folder named StudentLastName-Project1. For example, my file would be named Richards-Project1.**

It will be submitted in this format.

1. **The names of your files must be entirely lowercase and contain only alphanumeric characters.**

I followed this convention.

1. **You should use meaningful comments.**

I have multiple meaningful comments on each file submitted.

1. **Write a brief report containing an itemized breakdown of how you believe you have met the expectations listed above. If there is anything you were not able to implement, please highlight it specifically (e.g. was unable to complete expectation 16 because . . . "). This is very important as it will allow me to address missing information in the course. Your report must have the following sections: Met expectations : list which expectations you met successfully and entirely. Unmet expectations: List which expectations you were not able to meet. Above and beyond: Describe specifically how you went above expectations. Hour count: give an approximate amount of time spent on your site. Grade anticipated: What grade you anticipate and why you anticipate this grade. If you are more comfortable, you can provide a range.**

I have spent about 6-7 hours on this project. Personally, I did more than the minimum in terms of page numbers, links to external sites, and number of photos included. I also made my form practical with four areas for the user to enter information. I believe I deserve between a 90-100% on the project.

**In addition, implement the following New Requirements for Project 2. New requirements are provided with an Alphabetical list to clearly distinguish from Project 1 requirements.**

**A. Create a web server (instructions for this are provided separately) to host your website.**

We are using Xampp and Apache to run a local server.

**B. Add an external .js file (javascript). The minimum additional functionality:**

JavaScript files: “taxCalc.js”, “signInOut.js”, “calc.js”

**B1. A dynamic greeting - the website should greet your users with the phrase, "Good morning", "Good afternoon", or "Good evening" depending on the LOCAL time of your user.**

This is coded in on the index.html page.

**B2. Change in button style for the currently selected button (consider fadeIn, fadeOut or fadeToogle)**

The buttons are styled to “Fade In” with the style.css code.

**B3. A menu that slides down or out from the Left or Top of the screen (slideDown, slideUp, slideToggle).**

The menu on the pages slides down from the top of the screen.

**C. A login function. The minimum additional functionality:**

**C1. Allow users to create a user login. You need a username, password, first and last name. You can add additional information that makes sense in your context. For example, if you were making a wedding website for a friend, you could add an RSVP meal selection. Your user login MAY save to the database OR generate a PHP response page (e.g. think of it as an order confirmation page).**

There is a sign in page that prompts the user for the information, and a confirmation page is displayed.

**C2. Use RegEx to check passwords against a reasonable set of criteria.**

We use RegEx to check passwords in the php files.

**C3. Your login must account for errors - change your style based on the user behavior. For example, if a user leaves a required field empty, they should receive a meaningful error message. You must also change the style of the incorrect form element. You could highlight incorrect elements with a red boarder.**

Error messages are displayed when users enter incorrect information.

**C4. Create a password reset. Your user information should be stored in the database and updated OR may be processed in a PHP page and simply displayed to users.**

There is a password reset button on the home page that directs the user to the signup page to update their account information.

**C5. Users should be able to log out. This can be accomplished with a "Logout" button that displays a PHP page that states the user is logged out OR remove the user from the database.**

There is a logout button that leads to a page which states the user is logged out.

**C6. Create a user named Admin with a password. Put the password in your report. If you make your password "password", you will fail this requirement. Admins who login correctly can be given a PHP page that states they successfully logged in.**

The admin is [gracebailey@gmail.com](mailto:gracebailey@gmail.com) as the user with the password being “project”.

**D. Use the following programming in your Javascript or PHP skills. Use comments to highlight them. The way you use these is not specified, implement in a way that makes sense on your website. Give this some thought. Do not simply create something for the sake of fulfilling the requirement. I am happy to help you brain storm something that makes sense. You will likely fulfill many of these requirements as you complete requirements A-C. In that case, you only need to note where you completed these requirements in your report.**

**D1. Use a loop**

There are multiple loops in calc.js

**D2. Use an Array**

There are multiple arrays in calc.js

**D3. A variable with local scope**

There is a local variable in the functions within signInOut.js

**D4. A variable with global scope**

There is a global variable in the functions within signInOut.js

**D5. A JavaScript object**

JavaScript objects are used in the taxCalc.js file

**D6. A conditional statement (if/else). You may accomplish this with a Switch statement if preferred.**

A conditional statement was used to code the dynamic greeting.

**Write a brief report containing an itemized breakdown of how you believe you have met the expectations listed above. You only need to describe the A-D expectations. If there is anything you were not able to implement, please highlight it specifically (e.g. was unable to complete expectation 16 because . . . "). This is very important as it will allow me to address missing information in the course.**

Your report must have the following sections**: Met expectations**: list which expectations you met successfully and entirely.**Unmet expectations:**List which expectations you were not able to meet. **Above and beyond:**Describe specifically how you went above expectations. **Hour count:**give an approximate amount of time spent on your site. **Grade anticipated:**What grade you anticipate and why you anticipate this grade. If you are more comfortable, you can provide a range.

My partner and I spent about 20 hours on this project. We believe we met all of the expectations, and hope for a grade between 90%-100%. We think we went above and beyond by utilizing multiple(3) JavaScript files, multiple(3) CSS files, and 7 php files. Additionally, we spent a great amount of time working on the user interface, usability, and general style of the site. Also, regarding the elements that were supposed to be implemented in expectation D, we utilized D1-D6 multiple times throughout the project, rather than just once.