

Jamila Toaha  
CISC 3650: Human Computer Interaction  
Professor  
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## Assignment # 1: Website Project

### **Design Process**

(1 point)

1. Write a brief synopsis of what your website is intended to do. Is it targeted at a specific group of users?

What are the demographics of that group?

I created a website named "Chill Beats." This website aims to provide a distraction free and comfort zone for the user, where users can curate and save their own choice of music (at this stage, youtube links primarily) and images, and get to studying, reading a book, or just drinking a cup of tea.

The demographics are people who like instrumental music, need a break/ a relaxing digital space set up by having this one website they can have playing in the background.

2. What are some design considerations that you want to take into account when designing your site?

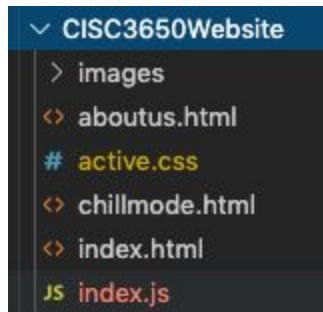
I aimed to utilize design to help create a distraction-free environment provide a distraction free and comfort zone for the user. I made use of certain colors and images, as well as visually pleasing layout arrangements using flexbox. I also tried to make the website as functional as possible with my limited time constraints so that the user can be facilitated along with ease.

I meant to use Bootstrap, but in the end, I used customized hand-made css and implemented custom ideas and details to help the website to come along. To further enhance the design, I took the risk of going over the deadline. The hope is the additions can somehow make up for it. But if not that's okay. Thank you.

```
/* Note it seems it takes a while for browser to process the js file and the  
sessionStorage object. So it takes some time for the embedded videos to load*/
```

### **Where each of the requirements can be found:**

The File Structure is as follows:



1. Use of CSS with HTML to make your page look good. (2 points.)

(a) use multiple <div> tags to divide up your page into sections

Divided and sectioned most of the content in divs. Can be found in all three HTML files above. Also, just visually noticeable

(b) use the position property to place each <div> in a distinct location on your page

Mainly made use of **flexbox** to make this website responsive and also for the divs to be positioned proportionately. So it is possible that flexbox makes use of the position property.

(c) set the color properties of each <div> (background and text color)

Mainly relied on black and white. **For capital letter section on home page**, made output turquoise. As well as set background shadow color as lavender for **main title**. **When you hover over links** you can see either a different background color or a different text color

(d) set the font properties of each <div> (and make sure each <div> contains some text)

Pretty visibly noticeable. Different fonts used. Different font weights. Different font sizes.

(e) set the border properties of each <div>

Relied on standard border properties to make website seem more seamless. Utilized border properties in **Table Div on About Us** Section, as well as adjusted border radius for the **submit buttons at the bottom of forms** on Home Page and About us Page.

(f) set the margin and padding properties of each <div>

Adjusted where necessary. Such as for the **Turquoise Survey on About Us** so that it could look more visually pleasing. Also I made heavy use of **FlexBox**, which adjusts a lot of margins and padding it seems. Like around the **color boxes** I made found on each page. In the **NavBar**. Sometimes lack of the margin looked fine too as with the video scrollable playlist.

(g) create a list and use CSS to modify 2 or more default properties of the list

Location: **Nav Bar at top of the pages**. To implement the nav bar, I created a list, and styled it with CSS, so it could look like a more or less standard nav bar. And took out the text decoration

(h) create a table and use CSS to modify 2 or more default properties of the table

Location: In **About Us** Section. Alternative rows colored. CSS added so that when user hovers over table, section is highlighted.

2. Use Javascript to process form elements and generate some sort of functionality for the website. (3 points.)

(a) use a `<button>` to change the text in one of the `<div>`s that you defined above

**Under Create Your Own Collection on the home page.** User can enter a Youtube Link, and when they click the 'add' button, they get a confirmation back stating the video was added, further the video preview is added without having to refresh the page!

(b) use a `<button>` to change the background color of one of the `<div>`s that you defined above

**Created custom 'buttons' for the background to be changed, found on every page**

Created mini **canvas** tiles and added event handlers with JS so background can be adjusted when clicked on. Love the concept of the Hidden Affordance, especially with fun matters that is not harmful to find out later. That was applied in this respect at the very beginning section of the Home Page with the color tiles.

(c) create a series of fields that auto-tab between them after X characters are entered (for example, a social security number eld that auto-tabs after 3 characters, then 2, then 4)

Crafted this for the phone number field on the **Survey Form in the About Us section**

(d) create two password elements and ask the user to enter the same password twice; use a JavaScript

function to verify that the user typed the same password in both elds. Use valid and invalid css pseudoclasses. To think about: what is the best way to provide textual user feedback?

**Crafted this at the bottom of the home page, where user has the option to create an account.** The section does not light up green if the password is not entered correctly. I decided to not go with a lighting up of red. And thought the positive feedback of the green was as helpful and as indicative here.

(e) create at least one other field that validates user input (e.g. a username eld that can only include alphanumeric characters). Convey user feedback as appropriate.

**Crafted this at the bottom of the home page, where user has to enter a username.**

Lights up green.

(f) use `<input type="text">` to create a single-line text eld; use a JavaScript function to convert the text that the user enters to all upper-case

**At the bottom of the home page, "For fun, enter sample text:"**

(g) create a submit button that should be disabled if the user has not fulfilled the requirements (e.g. required text, valid form elements).

**At the bottom of the home page, “For fun, enter sample text:”.** If user does not enter text the button remains disabled. When user enters text button becomes active again. This is dynamic. If the user erases the text, the button goes back to being disabled.

3. Use of HTML and HTML5 forms (2 points)

(a) use <select> and <option> to create a drop-down list from which the user can pick one item

**in About Us Section under Survey Form**

(b) use <select multiple> and <option> to create a drop-down list from which the user can select

more than one item

**in About Us Section under Survey Form**

(c) use a <input type="date"> tag to request and read a date

**in About Us Section under Survey Form**

(d) use a <input type="email"> tag to request and read the user's email address

**in About Us Section under Survey Form**

(e) use a <input type="tel"> tag to request and read the user's telephone number

**in About Us Section under Survey Form**

(f) use a <input type="number"> tag to request and read a numeric value from the user

**in About Us Section under Survey Form**

(g) use a <input type="range"> tag to request and read a range of numeric values from the user

**in About Us Section under Survey Form slider is visible**

(h) use the required HTML tag on at least one eld

**in About Us Section under Survey Form slider is visible**

(i) use a <input type="textarea"> and the <input type="maxlength"> to limit the number of characters that the user can enter. Think about user feedback!

**in About Us Section under Survey Form.** Maxlength is 1000 so users can tell me whatever they want

4. Use of advanced HTML5/HTML (3 points.)

(a) Use of geolocation capabilities Use the HTML5 Geolocation feature to get the user's latitude and longitude.

**in About Us Section at the bottom above the Google Map. Seperate from Google Map**

(b) Use of visual choices Use the HTML5 Drag and Drop feature to let the user select one from a set of images.

**Home Page User** can choose from images and drag and drop

(c) Use of either a video or audio le in your site.

**Home Page and Chill Mode Page**

(d) Use of a Google Map to your site.

**in About Us Section at the bottom**

(e) Use of HTML web storage to your site with the use of the window.sessionStorage object.

sessionStorage used! **to store links user entered on Home Page and background colors they chose on any page.** So that when navigating between pages or refreshing those options were still remembered by the browser and users could still see their playlists and background color. Meant to implement for the drag and drop images as well.